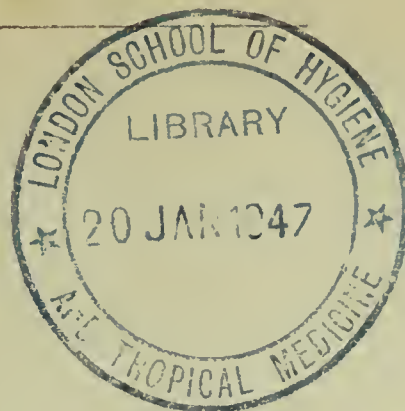


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MINISTRY OF INTERIOR.

DEPARTMENT OF PUBLIC HEALTH.



ANNUAL STATISTICS

FOR

1912.



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*With the compliments
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ANNUAL STATISTICS FOR 1912.

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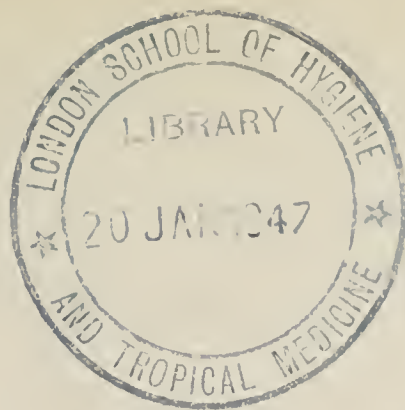
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NOTE.

This compilation is published merely as a reference for statistical information on the subjects dealt with by the Department of Public Health during the year 1912.

PRELIMINARY.

ORDINARY BUDGET.

The ordinary Budget (recurrent expenditure) was fixed at	L.E. 339,336
That for 1911 was	„ 316,521
Showing an increase of	L.E. 22,815

Which was distributed as follows :—

i. Increase of personnel (pensionable)	L.E. 8,930	
ii. Increase of personnel (non-pensionable)	„ 2,244	
iii. Increase of hospital and general supplies and expenses	„ 8,371	
iv. Automatic increase in Cairo Scavenging and Watering		
Service	„ 3,761	
v. Upkeep of buildings	„ 309	
	L.E. 23,615	
Less reduction in free water fountains	„ 800	
		L.E. 22,815

The following table indicates in a general manner the credits allotted to the individual or correlated Services of the Department, and affords a comparison with the corresponding credits allotted in 1911 :—

	1912.	1911.
	L.E.	L.E.
A. Personnel :—		
1. Direction-General	25,499	22,217
2. Central Stores and attached Services... ..	5,289	5,211
3. Scientific Laboratories and Institutes	4,724	4,841
4. Ophthalmic Hospitals and Central Ophthalmic Office	7,547	5,399
5. Inspectorate of Pharmacies	1,722	1,572
6. Provincial Hospitals and Inspectorates	49,623	46,923
7. Provincial Barbers... ..	1,100	1,500
8. Cairo Inspectorate	10,971	10,353
9. Cairo Hospitals (including Lunatic Asylum)	25,336	23,875
10. Alexandria, Port Said, and Suez Hospitals	8,757	8,709
11. Veterinary Service... ..	13,864	13,058
B. Equipment	33,323	24,798
C. General supplies and diets	42,329	45,400
D. Travelling charges and allowances	10,265	9,683
E. Various indemnities and allowances	9,953	9,495
F. Free water fountains	2,478	3,278
G. Prophylactic measures	5,772	4,838
H. Repairs and maintenance of buildings	6,457	6,148
I. Sanitation of Mosques	2,500	2,500
J. General expenses : forage, rent, light, water, printing, postages, telegrams, telephones, etc.	18,941	17,598
K. Cairo Scavenging and Watering Service	52,886	49,125
TOTAL... ..	339,336	316,521

On this Budget, the total expenditure in 1912 was	L.E. 325,749
Showing an economy of	L.E. 13,587

Of this balance a sum of L.E. 1,182 was authorized to be carried forward to the accounts of 1913, thus leaving a net unexpended economy of L.E. 12,405, which reverted to the State Treasury.

SPECIAL CREDITS.

ITEM.	Balance from 1911.	Credit, 1912.	Total.	Expenditure, 1912.
	L.E.	L.E.	L.E.	L.E.
Alexandria Hospital	3,533	—	—	686
Equipment, Assiût General Hospital	264	—	—	—
Cholera	1,814	—	—	1,782
Cholera lazaret for the Army	486	—	—	347
Second storey, Head-quarters	1,522	—	—	1,177
Rebuilding Central Stores	2,189	—	—	1,832
Filling birkas... ..	578	—	—	391
Ophthalmic Hospital, Assiût	601	—	—	450
Repairs to Public Abattoirs... ..	815	—	—	366
Equipment, Assiût Ophthalmic Hospital	109	—	—	109
Infectious Hospital, Alexandria... ..	9,120	—	—	—
Ophthalmic Hospital, Beni Suef	3,800	—	—	2,800
Abbassia Lunatic Asylum	7,861	—	—	7,574
Abbassia Infectious Hospital	6,395	—	—	6,389
Ophthalmic Hospital, Mansûra	3,318	—	—	3,021
Rebuilding Qena Hospital	10,000	—	—	—
Khanka Lunatic Asylum (supplementary works)	461	—	—	13
Initial equipment, Khanka	198	—	—	174
Equipment, Beni Suef Ophthalmic Hospital	826	—	—	726
Equipment, Mansûra Ophthalmic Hospital	1,000	—	—	982
Khanka Lunatic Asylum	3,175	—	—	2,812
Latrines, Abbassia and Abu el Ela	983	—	—	907
Enlargement, Benha Abattoir	232	—	—	120
Transfer of cemeteries	1,934	159	2,093	1,313
Three pavilions, Khanka Asylum	—	12,500	—	151
One pavilion, Alexandria Hospital	—	9,800	—	1,934
Four pavilions, Abbassia Infectious Hospital	—	2,700	—	1,324
Second storey, Bacteriological Institute	—	3,210	—	640
Equipment for same	—	1,790	—	—
Cattle sheds, Shallal	—	4,000	—	2,915
Special repairs, Cairo Abattoir roads... ..	—	4,000	—	3,980
Initial expenses, new Cairo roads	—	1,572	—	1,254
Automobile for Cairo Inspectorate	—	300	—	299
Filing furniture for archives	—	160	—	—
Prophylactic Measures against:—				
Plague	—	80,188	—	68,188
Cholera	—	20,000	—	18,429
Upkeep of temporary cholera lazarets	—	3,186	—	3,185
Matron's House at Abbassia Lunatic Asylum	—	1,200	—	—
Road to Khanka Asylum	—	15	—	—
Erection of an ophthalmic hospital at Zagazig... ..	—	4,000	—	2,102
Furniture for new offices and pharmacy, Lunatic Asylum, Abbassia	—	118	—	77
Macadamising roads of new sections, Lunatic Asylum, Abbassia	—	180	—	152
Equipment, Abbassia Infectious Hospital (new pavilions)	—	1,800	—	675
Equipment for new hospital at Qena	—	794	—	—
Building Sohâg Ophthalmic Hospital	—	3,996	—	—
Equipment, Sohâg Ophthalmic Hospital	—	965	—	—
TOTAL	—	—	—	139,276

PERSONNEL ON CONTRACT (NON-PENSIONABLE).

CATEGORY.	1911.	1912.	CATEGORY.	1911.	1912.
Medical Officer	1	1	<i>Brought forward</i> ...	7	10
Inspectors (Plague)	4	4	Matrons	2	3
Bacteriologist	1	1	Nursing Sisters	19	25
Veterinary Inspectors	1	4	Laboratory Assistant, 1st class ...	2	2
<i>Carried forward</i> ...	7	10	TOTAL ...	30	40

PERSONNEL "HORS CADRE" AND PAID ON SPECIAL CREDITS (NON-PENSIONABLE).

CATEGORY.	1911.	1912.	CATEGORY.	1911.	1912.
Medical Officers	30	32	<i>Brought forward</i> ...	774	909
Chief Attendants	77	87			
Male	437	450	Disinfectors, 1st class	10	10
Female	164	195	.. 2nd	16	20
Sanitary Barbers	48	124	Clerks	144	148
Electricians	3	3	Cooks	44	49
Assistant Electricians	4	3	Printers	2	2
Mechanics	4	8	Other employees and artisans of		
Laboratory Assistants, 3rd class ...	5	5	various trades	908	1,037
.. .. 4th ..	2	2			
<i>Carried forward</i> ...	774	909	TOTAL ...	1,898	2,175

PART I.

MEDICAL ADMINISTRATION.

GENERAL HOSPITALS.

TABLE I.

	1911.	1912.
Number of hospitals	22	22
Number of beds	2,385*	2,346*
Number of in-patients treated	38,582	40,460
Of which voluntary patients	17,442	17,039
Number of days of treatment	621,350	614,921
Number of new out-patients	173,401	192,227
Number of out-patient attendances	385,062	424,707

TABLE II.

PATIENTS.—NUMBER OF BEDS.—DAYS' TREATMENT.

LOCALITY.		1912.				
		Patients admitted.	Beds.	Days' Treatment.		
Governorates...	{	Cairo ... {	Kasr el Aini... ..	9,890	608	192,547
		{	Abbassia Asylum... ..	953	1,150	447,855
			Khanka „	402	240	114,975
			Infectious Diseases	1,038	190	16,542
	Alexandria... ..	6,523	286	85,010		
	Damietta	847	44	12,402		
	Port Said	2,474	152	31,352		
Lower Egypt...	{	Suez	1,363	120	19,652	
		{	Qaliûb... ..	902	34	10,218
			Benha	857	50	13,130
			Zagazig	1,229	88	20,464
			Tanta	2,068	120	30,956
			Mansûra	1,654	97	28,174
			Shebîn el Kom	1,111	60	16,576
			Damanhûr	1,199	63	15,886
	Mersa Matrûh	135	16	1,717		
	Upper Egypt...	{	Fayûm... ..	821	41	15,754
Beni Suef			754	50	12,013	
Minia			1,232	51	18,147	
Assiût			2,309	131	32,698	
Sohâg			983	50	15,445	
Qena			711	31	12,593	
Esna			286	25	5,208	
Aswân... ..			501	39	8,437	
TOTAL		40,242	3,736	1,177,751		

* Not including Lunatic Asylums.

TABLE III.
CASES ADMITTED.

HOSPITAL.	Voluntary Cases.	Police Cases.	Total Number of Cases.	Total Number of Days' Treatment.	Number of Beds.	Per Cent of Police Cases in each Hospital.
Kasr el Aini	5,612	4,278	9,890	192,547	608	43·3
Infectious Diseases	784	254	1,038	16,542	190	24·5
Alexandria	2,221	4,302	6,523	85,010	286	65·9
Damietta	650	197	847	12,402	44	23·2
Port Said	1,898	576	2,474	31,352	152	22·9
Suez... ..	1,017	346	1,363	19,652	120	25·4
Tanta	561	1,507	2,068	30,956	100	72·4
Mansûra... ..	526	1,128	1,654	28,174	97	68·2
Damanhûr	364	835	1,199	15,886	63	69·6
Zagazig	157	1,072	1,229	20,464	88	87·2
Shebin el Kôm	204	907	1,111	16,576	60	81·6
Qaliûb	857	45	902	10,218	34	4·9
Benha	135	722	857	13,130	50	84·2
Fayûm	184	637	821	15,754	41	77·6
Beni Suef	255	499	754	12,013	50	66·1
Minia	295	937	1,232	18,147	51	76·0
Assiût	698	1,611	2,309	32,698	131	69·7
Sohâg	149	834	983	15,445	50	84·8
Qena	72	639	711	12,593	31	89·8
Esna	145	141	286	5,208	25	49·3
Aswân	137	364	501	8,437	39	72·6
Mersa Matrûh	118	17	135	1,717	16	12·6
TOTAL... ..	17,039	21,848	38,887	614,921	2,346	56·2
Abbassia Asylum	17	936	953	447,855	1,150	98·2
Khanka Asylum	—	402	402	114,975	240	100·0
TOTAL... ..	17,056	23,186	40,242	1,177,751	3,736	(Mean) 57·6

TABLE IV.
IN-PATIENTS' DIVISION.

HOSPITAL.	ADMITTED.			DISCHARGED.			
	Remaining Last Year.	Admitted during the Year.	Total.	Cured.	Died.	Improved.	Remaining.
Kasr el Aini	480	9,890	10,370	5,810	869	3,204	487
Infectious Diseases	52	1,038	1,090	915	106	32	37
Alexandria	217	6,523	6,740	3,835	429	2,210	266
Damietta	27	847	874	809	18	47	—
Port Said	62	2,474	2,536	1,115	87	1,252	82
Suez	69	1,363	1,432	1,244	70	72	46
Tanta	88	2,068	2,156	1,679	142	258	77
Mansûra	66	1,654	1,720	1,414	108	108	90
Damanhûr	34	1,199	1,233	827	62	305	39
Zagazig	45	1,229	1,274	1,117	89	17	51
Shebin el Kôm	46	1,111	1,157	978	37	100	42
Qaliûb... ..	26	902	928	467	34	396	31
Benha	34	857	891	643	48	168	32
Fayûm	48	821	869	687	52	91	39
Beni Suef	36	754	790	641	40	90	19
Minia	43	1,232	1,275	1,037	48	143	47
Assiût... ..	78	2,309	2,387	1,927	96	279	85
Sohâg	45	983	1,028	719	58	215	36
Qena	32	711	743	602	27	79	35
Esna	14	286	300	214	9	74	3
Aswân... ..	27	501	528	454	22	26	26
Mersa Matrûh	4	135	139	117	3	18	1
TOTAL... ..	1,573	38,887	40,460	27,251	2,454	9,184	1,571
Abbassia Asylum	1,327	953	2,280	116	208	653	1,305
Khanka Asylum	—	402	402	12	11	33	346
TOTAL... ..	2,900	40,242	43,142	27,379	2,671	9,870	3,222

TABLE V.

OUT-PATIENTS' DIVISION (HOSPITALS).

HOSPITAL.	Number of Patients.	Number of Attendances	HOSPITAL.	Number of Patients.	Number of Attendance.
			<i>Brought forward</i> ...	139,554	290,286
Kasr el Aini	55,515	98,999	Qaliûb	12,398	22,564
Infectious Diseases	—	—	Benha	3,968	9,753
Alexandria	14,857	42,693	Fayûm	6,466	12,831
Damietta	8,947	21,510	Beni Suef	5,465	27,980
Port Said... ..	23,980	32,274	Minia	6,425	27,472
Suez	6,106	14,271	Assiût	8,593	14,615
Tanta	7,694	27,204	Sohâg	2,039	3,705
Mansûra	11,068	16,306	Qena	1,683	3,890
Damanhûr	3,882	5,200	Esna	2,177	6,138
Zagazig	2,655	13,840	Aswân	1,686	3,700
Shebin el Kôm	4,850	17,989	Mersa Matrûh	1,773	1,773
<i>Carried forward</i> ...	139,554	290,286	TOTAL ...	192,227	424,707

TABLE VI.

HOSPITALS' EXPENDITURE.

HOSPITAL.	L.E.	Mill.	No. of Beds.	Cost per Bed per Annum.*	
				L.E.	Mill.
Kasr el Aini	25,441	793	608	41	845
Infectious Diseases	3,581	966	190	18	852
Alexandria	10,556	348	286	36	910
Damietta	1,253	336	44	28	484
Port Said	5,216	424	152	34	318
Suez	4,189	146	120	34	909
Tanta	3,262	454	120	27	187
Mansûra... ..	2,586	533	97	26	665
Damanhûr	1,932	912	63	30	681
Zagazig	2,175	160	88	24	717
Shebin el Kôm	1,758	28	60	29	300
Qaliûb	1,386	552	34	40	780
Benha	1,329	879	50	26	597
Fayûm	1,439	892	41	35	119
Beni Suef	1,468	363	50	29	367
Minia	1,866	957	51	36	607
Assiût	3,500	891	131	26	724
Sohâg	1,400	814	50	28	016
Qena	1,198	432	31	38	659
Esna	711	151	25	28	446
Aswân	1,105	742	39	28	352
Mersa Matrûh	630	94	16	39	380
TOTAL... ..	77,992	867	2,346	(Mean) 33	245

* This figure does not include administrative expenses at the Central Administration.

GOVERNMENT DISPENSARIES.

There was no change in the number of Government dispensaries compared with last year.

The following table shows the out-patients treated gratuitously at these institutions :—

TABLE VII.

OUT-PATIENTS TREATED GRATUITOUSLY IN GOVERNMENT DISPENSARIES.

DISPENSARY.	Number of Patients.	DISPENSARY.	Number of Patients.	DISPENSARY.	Number of Patients.
Rosetta	538	<i>Brought forward...</i>	8,335	<i>Brought forward...</i>	26,876
El Atf	384	Embaba	1,933	Tema	194
Etiai	4,115	El Saff	490	Akhmîm	799
Delingât... ..	224	Beba	1,880	Girga	738
Shubrakhît	254	Sennûres	213	Baliana	341
Baltim	137	Itsa	423	Nag Hamâdi	177
Barrage	872	Beni Mazar	1,858	Deshna	70
Shebîn el Kanater ...	58	Basiûn	85	Qûs	34
Belqas	35	Samalût	142	Qoseir	242
Kafr el Sheikh	18	Abu Qurqas... ..	670	Edfu	771
Fua	423	Wasta	3,751	El Derr... ..	132
Abu Hommos	64	Deirût	1,745	Siwa Oasis	828
Santa	298	Manfalût	1,878	Baharia Oasis	349
Quesna	568	Abnûb	877	Dakhla Oasis	209
Ashmûn	229	Abn Tig	1,273	Kharga Oasis	186
Menzala	118	Badari	1,323		
<i>Carried forward...</i>	8,335	<i>Carried forward...</i>	26,876	TOTAL... ..	31,946

PHARMACIES AND PHARMACY LAW.

According to last year's report there were 354 public pharmacies in existence at the end of 1911. During 1912 this number was increased by 8, bringing the total to 362. They are owned as follows :—

TABLE VIII.

PLACE.	Qualified Pharmacists.	Non-qualified Owners.	TOTAL.
Cairo	76	75	151
Alexandria	36	35	71
Provinces	61	79	140
	173	189	362

The unqualified proprietors thus exceed the qualified pharmacists by 16.

The number of pharmacies opened, closed, or changed ownership are shown below :—

TABLE IX.

	OPENED.		CLOSED.		CHANGED OWNERSHIP.
	Qualified Pharmacists.	Non-qualified Owners.	Qualified Pharmacists.	Non-qualified Owners.	
Cairo	6	7	1	6	27
Alexandria	2	3	4	2	9
Provinces	8	10	4	11	11
	16	20	9	19	47

There were 172 recorded inspections made, besides numerous flying inspections; 73 pharmacies belonging to qualified men were visited, 68 per cent being found satisfactory, and 32 per cent otherwise. Of the 99 pharmacies which were inspected belonging to unqualified owners, 50 per cent only gave satisfaction.

Forty-seven *procès-verbaux* were drawn up against unqualified proprietors, resulting in 13 sentences, 4 acquittals, and 30 still in the courts. Against qualified proprietors 19 cases were entered, resulting in 7 sentences, 8 acquittals, and 4 still to be judged.

Forty-seven authorizations were issued to pharmacists, their diplomas being as follows : English, 1 ; German, 4 ; Beyrout (French), 3 ; Beyrout (American), 9 ; Greek, 13 ; Constantinople, 16. No Egyptian diplomas were issued.

The students in the School of Pharmacy at Kasr el Aini are as follows : third year, 2; second year, 3 ; first year, 9.

Five authorizations for the sale of poisons were granted, and one shop was closed, leaving 68 engaged in the trade. Sale of poisons by unauthorized persons gave rise to 44 *procès-verbaux* being drawn up, resulting in 17 sentences, 8 acquittals, and 19 still undecided.

Nine *procès-verbaux* were drawn up against physicians who dispensed medicines for others than their patients ; 2 sentences and 2 acquittals were obtained, and 5 remain undecided.

In consequence of the *aides pharmaciens* law coming into force, two extraordinary examinations were held in 1912, the first in January-February, and the second in November. At the first examination, 236 candidates appeared and 52 failed. At the second examination there were 65 candidates and 21 failures.

There were 178 authorizations issued to certificated *aides pharmaciens*, all having produced the Egyptian certificate.

MEDICAL PRACTICE AND AUTHORIZATIONS.

TABLE X.

PROFESSION.	NATIONALITY.											TOTAL.
	Local subjects.	Ottoman.	British.	French.	Greek.	Italian.	German.	Austrian.	American.	Persian.	Russian.	
Medical	17	35	6	3	14	3	6	3	2	—	1	90
Veterinary	1	1	3	—	—	—	—	—	—	—	—	5
Midwifery	7	—	—	1	—	—	—	2	—	—	—	10
Dentistry	2	6	1	2	1	1	1	1	—	—	—	15
Pharmacy	5	23	1	—	13	—	4	1	—	—	—	47
Aides Pharmaciens... ..	—	—	—	—	—	—	—	—	—	—	—	180

MEDICAL EDUCATION.

The following table shows the number of students in the School of Medicine, Kasr el Aini, and also gives some interesting facts regarding past years :—

TABLE XI.

Year.	Number obtaining Secondary Certificate.	Number joining School of Medicine.	Left at Parents' Request.	Dismissed.	Died.	Transferred to other Higher Colleges.	Left to complete Studies in Europe.	Still in School.	Diplomas.
1902... ..	131	28	1	2	—	1	—	—	24
1903... ..	125	36	3	4	—	2	—	—	27
1904... ..	136	24	2	—	1	—	1	2	18
1905... ..	177	36	—	9	1	1	1	2	22
1906... ..	366	53	6	2	—	1	4	10	30
1907... ..	220	37	4	4	1	4	7	7	10
1908... ..	228	50	2	—	2	1	14	22	9
1909... ..	329	50	4	3	2	1	6	34	
1910... ..	396	50	—	4	1	2	—	43	
1911... ..	445	50	1	—	—	—	—	49	
1912... ..	355	50	1	—	—	—	—	49	

LUNACY SECTION.

The number of admissions to the Asylums (excluding 61 criminal lunatics transferred from Tûra Asylum), 892, is again the highest on record : 434 other cases were treated temporarily in local hospitals, making a total of 1,326.

There has been a great increase in admissions, about 50 per cent, during the past three years. An analysis of the forms of insanity admitted, however, shows that one form, pellagra, which chiefly affects the *fellahîn*, is sent in increased numbers to the Asylum, and may be really on the increase.

The number of beds in Asylums was increased during the year by 322, by the addition of new sections to Abbassîa Asylum and the opening of the new Asylum at Khanka, while Tûra Criminal Asylum has been discontinued. The actual accommodation now existing is 1,390 beds (1,150 at Abbassîa and 240 at Khanka).

The actual numbers in residence are 1,305 patients at Abbassîa and 346 at Khanka. Total 1,651, an increase of 263 in the year.

A separate report on lunacy was issued, from which the following statistics have been abstracted :—

I.—Statistics :—

	Males.	Females.	Total.
(1) Lunatics resident in Asylums on January 1, 1912 :—			
In Abbassîa Asylum	934	393	1,327
In Tûra Asylum	61	—	61
TOTAL	995	393	1,388
Lunatics resident on December 31, 1912 :—			
In Abbassîa Asylum	858	447	1,305
In Khanka Asylum	346	—	346
TOTAL	1,204	447	1,651
Increase in number resident			263

(2) This increase of 263, the accumulation for the year 1912, represents the difference between the number of admissions and the number of discharges and deaths, viz. :—

(a) Admissions of new cases, all of whom, except 4, were admitted to Abbassia Asylum										896

(3) The total of 953 cases sent to Abbassîa Asylum (61 from Tûra Asylum and 892 freshly certified) were accommodated by the transfer of 340 quiet cases to the new Khanka Asylum † and by filling up the vacancies caused by the above deaths and discharges.

(4) Besides the insane brought to the Asylum, about 500 were treated in the local hospitals without being sent to an asylum.

II.—Accommodation for the Insane :—

	BEDS.		
	Males.	Females.	Total.
(a) Additions in 1912 :—			
At Khanka Asylum	240	—	240
At Abbassîa Asylum	11	132	143
Total additions			383
Reduction : Tûra Asylum			61
Net increase			322
(b) Actual beds existing :—			
At Abbassîa	683	467	1,150
At Khanka	240	—	240
TOTAL			1,390

Comparing this figure with the number of patients in residence, 1,651, it is seen that there still remain 261 patients in excess. There are, however, actually 281 male patients

* Only able-bodied patients having been sent to Khanka, there is an accumulation of paralysed feeble and acutely insane at Abbassîa, who have a very high death-rate. The death-rate of the conjoint Asylums, however, rises steadily every year.
† Khanka Asylum contains only non-criminal, 3rd class male lunatics of the quieter class.

in excess and 20 female vacancies, *i.e.* 19 more males in excess than on January 1, 1912 (262), before Khanka Asylum was opened. This excess of males, sufficient to fill another asylum as large as that at Khanka, is, however, spread over a larger area and is proportionately less dense than formerly.

The following table shows the offences with which the 75 insane accused persons were charged :—

TABLE XII.

Escape from police supervision...	5
Vagrancy ...	14
Murder ...	5
Attempted murder...	4
Threatening to murder...	1
Assault ...	9
Theft ...	28
Arson...	4
Forgery ...	1
Drunkenness ...	1
Unnatural offence ...	1
Trespassing ...	2
TOTAL ...	75

Of these 75 persons 10 had formerly been inmates and had been discharged.

OPHTHALMIC SECTION.

Two new permanent hospitals were opened during the year: one at Mansûra, and the other at Beni Suef. One new travelling hospital was inaugurated in the Province of Assiût.

The table given below embodies the most important statistics of the work of this Section, regarding which a separate report was issued :—

TABLE XIII.

PERMANENT AND TRAVELLING OPHTHALMIC HOSPITALS.

	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.
<i>Hospitals in existence :—</i>									
1. Travelling ...	1	2	2	2	2	2	2	3	4
2. Permanent ...	—	—	—	—	1	1	1	2	4
New patients treated ...	2,954	4,210	7,327	7,446	7,794	12,092	14,342	20,488	28,029
Total attendance of out-patients ...	15,039	50,680	94,204	146,830	132,278	177,761	190,247	236,411	341,211
Operations performed...	1,282	2,480	5,846	6,794	6,426	9,930	11,486	14,322	21,315
In-patients ...	49	140	202	184	208	390	443	678	909
<i>Details :—</i>									
Patients examined ...					19,614	22,373	25,514	31,274	43,668
Patients regularly treated ...					7,794	12,092	14,342	20,488	28,029
Incurable cases ...					4,550	2,302	1,776	2,620	7,200
Blind in one eye ...					1,189	2,116	2,438	3,196	4,115
Blind in both eyes ...					852	1,385	3,010	2,811	2,824
Trichiasis cases examined ...					8,159	10,060	7,507	7,871	13,176
„ „ operated on and cured ...					2,262	3,128	2,022	3,933	6,942
<i>New patients treated per age :—</i>									
Under 1 year ...					247	516	457	761	1,495
From 1 to 5 years ...					585	1,645	1,497	1,903	3,317
„ 6 „ 10 „ ...					902	1,442	4,469	2,101	3,210
„ 11 „ 15 „ ...					849	1,294	1,475	2,051	3,056
„ 16 „ 20 „ ...					829	1,156	1,499	2,067	2,588
„ 21 „ 40 „ ...					2,584	3,775	4,845	6,116	8,167
„ 41 and over ...					1,798	2,206	3,100	5,589	6,196

MEDICO-LEGAL REPORTS.

The total figures for 1911 and 1912 are given for purposes of comparison:—

TABLE XIV.

				1911.	1912.
Slight cases	{	Accidental... ..	...	4,317	4,619
		Criminal ... ..	...	23,113	35,860
Severe and fatal cases...	{	Accidental... ..	...	6,193	7,492
		Criminal ... ..	...	2,953	3,311

Below are given in detail the figures by category, Mudiriâ, and Markaz:—

TABLE XV.

MEDICO-LEGAL CASES.

										SLIGHT.		SERIOUS.		FATAL.	
										Accidental.	Criminal.	Accidental.	Criminal.	Accidental	Criminal.
<i>Governorates :—</i>															
Cairo										87	9,823	619	10	478	9
Alexandria										410	3,869	118	193	124	37
Damietta										24	160	4	1	10	—
Port Said										223	184	7	—	1	2
Suez										7	197	3	8	3	—
Ismâilia										16	107	4	3	16	1
El Arîsh										—	4	—	2	1	—
Total										767	14,344	755	217	633	49
<i>Qaliubâ Province :—</i>															
Tûkh District										81	392	67	30	54	21
Qaliûb „										43	288	24	24	67	9
Nawa „										47	251	28	15	49	6
Barrage... ..										16	37	19	2	11	1
Total										187	968	138	71	181	37
<i>Shargîa Province :—</i>															
Zagazig District										99	221	20	26	89	9
Hehia „										40	134	27	8	28	10
Kafr Saqr „										28	180	32	7	30	5
Belbeis „										47	204	24	14	26	3
Faqûs „										18	211	17	—	37	2
Minia el Qamh „										59	275	74	31	21	10
Total										291	1,225	194	86	231	39
<i>Gharbîa Province :—</i>															
Tanta District										257	933	124	74	99	17
Santa „										51	303	13	17	55	7
Zifta „										62	227	32	12	24	12
Mahalla el Kubra „										12	261	33	21	26	12
Samanûd „										8	63	14	2	38	3
Talkha „										31	154	15	3	20	—
Sherbîn „										28	111	2	3	10	—
Belqas „										16	64	1	1	18	9
Borollos „										—	—	1	3	4	1
Kafr el Sheikh „										52	252	109	16	46	8
Fûa „										16	87	22	5	20	1
Desûq „										31	148	38	14	41	5
Kafr el Zayât „										27	241	50	23	37	8
Basiûn „										41	83	—	7	23	1
Total										632	2,927	454	201	461	84

TABLE XV (continued).

							SLIGHT.		SERIOUS.		FATAL.	
							Accidental.	Criminal.	Accidental.	Criminal.	Accidental.	Criminal.
<i>Daqahlîa Province :—</i>												
Mansûra District	...	...	...	...	...	...	90	510	74	30	43	18
Mît Ghamr "	...	...	...	...	...	...	87	521	43	31	54	18
Faraskûr "	...	...	...	...	...	...	46	111	14	2	26	1
Aga "	...	...	...	...	...	...	25	72	19	7	63	2
Simbellawein "	...	...	...	...	...	...	26	224	31	18	57	12
Matarîa "	...	...	...	...	...	...	22	80	3	—	36	1
Dekernes "	...	...	...	...	...	...	19	157	3	8	43	1
Total	...	...	...	...	...	...	315	1,675	187	96	322	53
<i>Menufîa Province :—</i>												
Shebîn el Kôm District	...	...	...	...	...	...	107	883	55	27	66	23
Menûf "	...	...	...	...	...	...	107	316	21	32	70	22
Ashmûn "	...	...	...	...	...	...	2	165	16	21	50	14
Quesna "	...	...	...	...	...	...	92	461	25	16	53	12
Tala "	...	...	...	...	...	...	47	265	20	9	47	12
Barrage Division, Medical	...	...	...	...	...	...	4	35	9	2	7	—
Total	...	...	...	...	...	...	359	2,125	146	107	293	83
<i>Behera Province :—</i>												
Damanhûr District	...	...	...	...	...	...	32	451	60	32	2	1
Delingât "	...	...	...	...	...	...	28	196	32	28	24	6
Siwa Division, Medical	...	...	...	...	...	...	13	—	1	1	—	1
Kôm Hamâda District	...	...	...	...	...	...	32	293	30	68	36	11
Etiay "	...	...	...	...	...	...	37	331	23	23	38	12
Shubrakhît "	...	...	...	...	...	...	15	104	17	10	34	1
El Atf }	...	...	...	...	...	...	7	89	—	24	10	20
Rosetta } Division, Medical	...	...	...	...	...	...	21	123	11	5	9	2
Abu Hommos District	...	...	...	...	...	...	30	138	13	5	39	6
Kafr el Dawâr "	...	...	...	...	...	...	36	105	17	21	29	12
Mariût }	...	...	...	...	...	...	—	48	4	5	2	4
Ramleh } Division, Medical	...	...	...	...	...	...	78	244	10	10	21	—
Total	...	...	...	...	...	...	329	2,122	218	232	244	76
<i>Gîza Province :—</i>												
Gîza District	...	...	...	...	...	...	52	510	32	30	52	12
Embaba "	...	...	...	...	...	...	27	364	10	19	35	6
El Ayât "	...	...	...	...	...	...	23	147	36	28	27	13
El Saff "	...	...	...	...	...	...	23	174	46	26	24	9
Barrage Division, Medical	...	...	...	...	...	...	23	92	15	8	16	2
Total	...	...	...	...	...	...	148	1,287	139	111	154	42
<i>Fayûm Province :—</i>												
Fayûm District	...	...	...	...	...	...	23	308	60	33	41	29
Sennûres "	...	...	...	...	...	...	33	260	86	31	38	18
Etsa "	...	...	...	...	...	...	67	192	16	32	41	24
Total	...	...	...	...	...	...	123	760	162	96	120	71
<i>Beni Suef Province :—</i>												
Beni Suef District	...	...	...	...	...	...	53	749	49	40	48	46
Wasta "	...	...	...	...	...	...	47	258	49	37	17	24
Biba "	...	...	...	...	...	...	41	380	32	36	32	6
Total	...	...	...	...	...	...	141	1,387	130	113	97	76

TABLE XV (continued).

								SLIGHT.		SERIOUS.		FATAL.	
								Accidental.	Criminal.	Accidental.	Criminal.	Accidental.	Criminal.
<i>Minia Province :—</i>													
Minia	District	...	...	...	...	...	...	61	368	13	29	41	25
Beni Mazar	"	...	...	...	...	...	...	81	247	38	18	46	22
Fashn	"	...	...	...	...	...	...	47	257	27	37	29	11
Samalût	"	...	...	...	...	...	...	21	287	55	38	43	8
Abu Qurqâs	"	...	...	...	...	...	...	53	245	48	28	19	13
Maghâgha	"	...	...	...	...	...	...	54	221	49	26	18	22
Baharia Oasis	"	...	...	...	...	...	...	12	2	3	—	3	—
Total ...								329	1,627	233	176	199	101
<i>Assiût Province :—</i>													
Assiût	District	...	...	...	...	...	...	185	574	195	60	98	34
Manfalût	"	...	...	...	...	...	...	43	212	52	42	15	24
Deirût	"	...	...	...	...	...	...	95	263	3	50	13	40
Mallawi	"	...	...	...	...	...	...	13	457	154	61	73	20
Abnûb	"	...	...	...	...	...	...	66	38	16	145	19	41
Badari	"	...	...	...	...	...	...	24	246	65	51	43	18
Abu Tig	"	...	...	...	...	...	...	38	256	65	51	65	16
Dakhla Oasis	"	...	...	...	...	...	...	—	14	8	6	3	1
Kharga Oasis	"	...	...	...	...	...	...	1	12	4	—	2	—
Total ...								465	2,082	562	466	331	194
<i>Girga Province :—</i>													
Sohâg	District	...	...	...	...	...	...	137	513	13	34	65	12
Tahta	"	...	...	...	...	...	...	63	226	50	25	45	25
Girga	"	...	...	...	...	...	...	59	521	48	32	81	21
Baliana	"	...	...	...	...	...	...	6	236	22	32	19	8
Akhmîm	"	...	...	...	...	...	...	16	185	19	20	34	13
Tema Division, Medical		...	...	...	...	...	...	17	124	43	7	10	7
Total ...								298	1,805	195	150	254	86
<i>Qena Province :—</i>													
Qena	District	...	...	...	...	...	...	27	197	12	9	30	19
Dishna	"	...	...	...	...	...	...	10	92	8	24	33	10
Esna	"	...	...	...	...	...	...	42	161	—	11	4	3
Nag Hamâdi	"	...	...	...	...	...	...	51	180	58	18	80	11
Qûs	"	...	...	...	...	...	...	11	86	20	29	35	4
Luxor	"	...	...	...	...	...	...	34	268	27	17	62	10
Qoseir Division, Medical		...	...	...	...	...	...	2	—	—	—	—	—
Total ...								177	984	125	108	244	57
<i>Aswân Province :—</i>													
Aswân	District	...	...	...	...	...	...	28	335	29	23	33	2
Edfu	"	...	...	...	...	...	...	15	196	2	7	19	1
Derr	"	...	...	...	...	...	...	15	11	2	—	5	—
Total ...								58	542	33	30	57	3
GRAND TOTAL...								4,619	35,860	3,671	2,260	3,821	1,051

CAIRO MEDICAL COMMISSION.

The total number of examinations carried out in 1911 was 3,088. The slight decrease in the figures for the year under review is due to the fact that no candidates were sent up from the Police School. These amounted to 297 in 1911.

STATISTICAL RETURN OF THE

MINISTRIES AND ADMINISTRATIONS.	EMPLOYEES							
	FIT.				UNFIT		Post- poned for some time and re-exam- ined.	Standing Cases of Vision up to Dec. 1912.
	At Examination by Commission.	<i>Vide</i> Certificate Approved.	“Maladie Légère.”		Vision.	Other Diseases.		
			Vision.	Other Diseases.				
Ministry of Interior	151	—	2	—	26	3	11	10
Department of Public Health... ..	51	—	1	—	2	1	1	5
Prisons Department	4	—	—	—	—	—	1	3
Council of Ministers	2	—	—	—	—	—	—	—
Ministry of Finance	99	—	2	—	14	6	1	14
Survey Department	8	—	—	—	—	—	—	—
Coast Guard Administration	8	—	—	—	1	—	—	—
Statistical Department	5	—	—	—	—	—	1	—
Customs Administration	1	—	—	—	—	—	—	—
Printing Department... ..	3	—	—	—	—	—	—	—
Ports and Lighthouses Department ...	2	—	—	—	—	—	—	—
Postal Administration	51	—	—	—	2	—	1	9
Finance Contentieux... ..	2	—	—	—	—	—	1	2
Archives	—	—	—	—	—	—	—	—
Ministry of Public Works	94	—	—	—	6	5	7	11
Agricultural Department... ..	13	—	1	—	4	—	—	1
Egyptian State Railways... ..	146	—	—	—	22	5	9	16
Egyptian State Telegraphs	73	—	4	—	26	—	4	19
Antiquities Department	—	—	—	—	—	—	—	—
Ministry of Justice	73	—	3	—	9	6	6	13
Native Courts	1	—	—	—	1	—	—	—
Mixed Tribunals	51	—	1	—	2	1	2	2
Parquet General	54	—	—	2	1	—	3	17
Ministry of Education	148	3	—	—	6	4	9	20
War Office	53	—	—	—	7	1	3	7
Ministry of Foreign Affairs	3	—	—	—	—	—	—	—
Waqfs Administration	33	—	—	—	6	2	1	5
Legislative Council	1	—	—	—	—	—	—	—
Khedivial Aide de Camp	—	—	—	—	—	—	—	—
Khedivial Khassa	—	—	—	—	—	—	—	—
Gharbîa Province	—	—	—	—	—	—	—	—
Sharqîa „	—	—	—	—	—	—	—	—
Qaliubîa „	—	—	—	—	—	—	—	—
Gîza „	—	—	—	—	—	—	—	—
Beni Suef „	—	—	—	—	—	—	—	—
Minia „	—	—	—	—	—	—	—	—
Assiût „	—	—	—	—	—	—	—	—
Qena „	—	—	—	—	—	—	—	—
Fayûm „	—	—	—	—	—	—	—	—
Cairo Governorate	—	—	—	—	—	—	—	—
Alexandria Municipality	—	—	—	—	—	—	—	—
GRAND TOTAL... ..	1,130	3	14	2	135	34	61	154

XVI.

CAIRO MEDICAL COMMISSION, 1912.

										Expert Opinion taken.	HEIRS.			Recommended for Pension for some time and re-examination.	Sent to Hospital for Observations, Treatment and Report.	TOTAL.
PENSIONS.					LEAVES.			Sent to Hospital for Treatment, Observation and Report.	Age.		Able to obtain Livelihood.	Unable to obtain Livelihood.	Age.			
Unfit examined by Commission.	Unfit, <i>vide</i> Certificate Approved.	Grand Mal.	Petit Mal.	Found Fit for Duty.	Granted, <i>vide</i> Certificate Approved.	Granted after Examination by Commission.	Refused.									
114	129	4	—	47	39	70	18	11	10	4	—	—	—	—	—	649
15	—	2	—	4	49	44	3	—	—	1	—	—	—	—	—	179
2	—	—	—	—	—	1	—	—	2	—	—	—	—	—	—	13
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
60	3	3	—	18	36	53	6	1	16	1	11	13	1	2	1	361
15	—	—	—	5	4	6	2	—	—	—	—	—	—	—	—	40
5	—	1	—	1	4	10	1	—	—	1	—	—	—	—	—	32
—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	7
—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2
1	—	—	—	—	2	1	—	—	—	—	—	—	—	—	—	7
1	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—	5
9	—	1	—	4	7	20	6	1	—	2	—	—	—	—	—	113
—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	7
—	—	—	—	—	—	2	1	—	—	—	—	—	—	—	—	3
22	3	—	—	5	38	52	11	—	3	—	—	—	—	—	—	257
—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	22
16	2	—	—	8	—	1	—	—	3	4	—	—	—	—	—	232
2	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	130
5	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	8
11	1	2	—	3	15	21	3	—	1	—	—	—	—	—	—	167
4	1	—	—	2	10	13	2	—	—	—	—	—	—	—	—	34
1	—	—	—	2	2	5	—	—	5	—	—	—	—	—	—	74
2	—	—	—	1	6	15	—	—	—	—	—	—	—	—	—	101
18	3	2	—	—	42	41	3	—	1	2	—	—	—	—	—	302
8	1	1	—	3	—	1	—	—	2	2	—	—	—	—	—	89
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3
8	—	—	—	5	—	—	1	—	13	—	—	—	—	—	—	74
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2
—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	2
—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	2
—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	12	3	1	—	—	—	—	—	—	—	—	16
—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	3	2	—	—	—	—	—	—	—	—	—	5
—	—	—	—	—	4	1	—	—	—	—	—	—	—	—	—	5
—	—	—	—	—	4	1	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1
—	—	—	—	—	5	—	—	—	—	1	—	—	—	—	—	6
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
321	143	18	—	112	295	366	58	13	56	19	11	13	1	2	1	2,962

GENERAL STORES.

Adjudications to the value of L.E. 85,811 were made by the Central Stores during the year, some of the principal items being as follows :—

TABLE XVII.

	L. E.
General equipment and clothing for Central Stores... ..	11,728
Drugs and medicines for Central Stores	6,606
Coal and coke	4,120
Part of rations for Cairo hospitals	7,804
Rations for Provincial hospitals	12,500
Flour for Lunatic Asylums	5,255
Native bread for Cairo hospitals (not including Lunatic Asylums)	2,145
Meat for Cairo hospitals	9,380
Bulls for Serum Institute	8,685
Forage for Serum Institute	7,510
Equipment and clothing for Scavenging and Watering Service	2,984
<i>Tibbn, berseem, etc., for Scavenging and Watering Service</i>	3,015

In addition to these adjudications, 1,965 local and foreign orders for the supply of goods were also placed.

Rinderpest Serum.—136,536 doses of 50 cubic centimetres were issued.

Instruments.—15,000 surgical instruments, etc., were repaired and sharpened.

The following hospitals were newly equipped :—

Departmental ophthalmic hospitals at Zagazig, Assiût, Tanta, Beni Suef, Benha, and Gîza ; Provincial Councils ophthalmic hospitals at Gharbîa and Assiût ; general benevolent hospital at Manfalût.

Three new sections at Abbasîa Lunatic Asylum, and new sections at the Infectious Diseases Hospital were equipped. Furniture and equipment were supplied to the Cairo *Dayas* School, drugs and instruments to the *Mahmal*, and equipment and drugs to the Red Crescent Society.

PART II.

PUBLIC HEALTH.

CENSUS.

The following table gives an estimate of the Egyptian and foreign population of the twenty principal towns of Egypt, on which the vital statistics are calculated :—

TABLE XVIII.

EGYPTIAN AND FOREIGN POPULATION OF THE TWENTY PRINCIPAL TOWNS OF EGYPT.

TOWN.	1911.			1912.		
	Egyptians.	Foreigners.	Total.	Egyptians.	Foreigners.	Total.
Cairo	629,583	64,643	694,226	638,236	66,720	704,956
Alexandria	323,965	70,613	394,578	327,755	72,352	400,107
Damietta	32,806	259	33,065	33,700	261	33,961
Tanta	54,519	1,488	56,007	55,032	1,495	56,527
Mansûra	40,977	1,638	42,615	41,555	1,638	43,193
Damanhûr	41,557	372	41,929	42,401	372	42,773
Zagazig	35,215	1,661	36,876	35,442	1,667	37,109
Shibîn el Kôm	23,351	182	23,533	23,946	182	24,128
Gîza	17,254	104	17,358	17,453	106	17,559
Benha	17,129	209	17,338	17,644	211	17,855
Port Said	44,628	10,738	55,366	45,796	10,738	56,534
Suez	16,802	2,551	19,353	17,163	2,551	19,714
Ismailia	9,786	2,232	12,018	10,249	2,251	12,500
Fayûm	38,598	175	38,773	39,218	176	39,394
Beni Suef	26,302	354	26,656	27,090	369	27,459
Minia	28,189	398	28,587	28,606	405	29,011
Assiût	40,979	265	41,244	41,458	268	41,726
Sohâg	18,662	67	18,729	18,855	67	18,922
Qena	20,696	72	20,768	20,674	72	20,746
Aswân	12,293	539	12,832	12,295	572	12,867
TOTAL	1,473,291	158,560	1,631,851	1,494,568	162,473	1,657,041

VACCINATION.

In 1912, the following successful vaccinations or re-vaccinations were carried out :—

TABLE XIX.

		1910-1911.	1911-1912.
November and December	... ..	78,880	79,769
January 1 to October 31	... ..	392,273	386,168
TOTAL...	... ..	471,153	466,937

Returns of 1,152 cases from 479 villages in 1910-1911; and 1,723 cases from 611 villages in 1911-1912, had not been received to the end of the year.

FIRST AID SANITARY BARBERS.

The training of village barbers and the supply of first aid chests, outlined in the last report, was continued. The following table shows the results to the end of the year :—

TABLE XX.

MUDIRIA.	FIRST BATCH.		SECOND BATCH.		First aid chests issued.
	Trained.	Successful.	Trained.	Successful.	
Beheira	6	4	6	(a)	4
Gharbia	20	16	20	(a)	16
Menûfia	6	5	6	6	5
Daqahlia... ..	6	5	6	7*	—
Sharqîa	10	9	8	3†	9
Qaliubîa	6	6	6	(a)	6
Gîza	8	6	8	(a)	6
Fayûm	6	3	6	(a)	6
Beni Suef	6	5	6	(a)	6
Minia	6	6	6	6	6
Assiût	11	7	10	(a)	4
Girga	4	4	4	4	8
Qena	6	4	6	6	6
Aswân	4	4	3	2	4
TOTAL... ..	105	84	101	34	86

(a) The period of training was not completed till 1913.

* Including one failed in the previous examination.

† Training of four barbers temporarily suspended for repairs to hospital.

INFANT MORTALITY.

Statistics of infant mortality, both Egyptians and foreigners, are given below, with a comparative table of the mortality rates for the four previous years (table XXIII):—

TABLE XXI.

BIRTHS AND DEATHS AND INFANT MORTALITY IN THE PRINCIPAL TOWNS FOR 1912.

Egyptians.

TOWN.	TOTAL.				INFANT DEATHS.		PROPORTION % OF INFANT MORTALITY.		
	Births.		Deaths.		Under 1 Year.	From 1 to 10 Years.	Deaths under 1 Year.		From 1 to 10 Years.
	Number.	‰	Number.	‰			To Births.	To Deaths.	To Deaths.
Cairo	31,508	49·4	25,668	40·2	9,407	7,659	29·9	36·6	29·8
Alexandria...	14,791	45·1	11,751	35·9	4,081	3,502	27·6	34·7	29·8
Damietta	1,613	47·9	755	22·4	240	179	14·9	31·8	23·7
Port Said	2,329	50·9	1,276	27·9	508	344	21·8	39·8	27·0
Suez	785	45·7	545	31·8	210	123	26·8	38·5	22·6
Ismailia	783	76·4	424	41·4	116	128	14·8	27·4	30·2
Benha... ..	570	32·3	445	25·2	146	140	25·6	32·8	31·5
Zagazig	1,763	49·7	1,361	38·4	469	436	26·6	34·5	32·0
Tanta	2,998	54·5	2,425	44·1	783	657	26·0	32·3	27·1
Mansûra	1,940	46·7	1,298	31·2	351	412	18·1	27·0	31·7
Shibîn el Kôm	1,200	50·1	569	23·8	160	107	13·3	28·1	18·8
Damanhûr	2,153	50·8	1,476	34·8	536	442	24·9	36·3	29·9
Gîza	1,022	58·6	740	42·4	337	227	33·0	45·5	30·7
Fayûm	2,615	66·7	1,927	49·1	839	536	32·1	43·5	27·8
Beni Suef	1,522	56·2	1,203	44·4	534	293	35·1	44·4	24·4
Minia	1,795	62·7	1,358	47·5	604	334	33·6	44·5	24·6
Assiût	2,424	58·5	1,774	42·8	654	526	27·0	36·9	29·6
Sohâg	1,053	55·8	793	42·1	302	243	28·6	38·1	30·6
Qena	1,251	60·5	1,107	53·5	409	365	32·7	36·9	33·0
Aswân... ..	573	46·6	529	43·0	166	100	29·0	31·4	18·9
TOTAL... ..	74,688	50·0	57,421	38·4	20,852	16,753	27·9	36·3	29·2

TABLE XXII.

BIRTHS AND DEATHS AND INFANT MORTALITY IN THE PRINCIPAL TOWNS FOR 1912.

Foreigners.

TOWN.	TOTAL.				INFANT DEATHS.		PROPORTION % OF INFANT MORTALITY.		
	Births. (4)		Deaths.		Under 1 Year.	From 1 to 10 Years.	Deaths under 1 Year.		From 1 to 10 Years.
	Number.	‰	Number.	‰				To Deaths.	To Deaths.
Cairo	377	—	745	11·2	146	106	—	19·6	14·2
Alexandria... ..	752	—	936	12·9	173	146	—	18·5	15·6
Damietta	3	—	2	7·7	1	1	—	50·0	50·0
Port Said	139	—	175	16·3	42	14	—	24·0	8·0
Suez	42	—	53	20·8	8	—	—	15·1	—
Ismailia	71	—	32	15·1	7	4	—	20·6	11·8
Benha	4	—	5	23·7	—	2	—	—	40·0
Zagazig	31	—	9	5·4	3	1	—	33·3	11·1
Tanta	43	—	22	14·2	4	5	—	19·0	23·8
Mansûra	31	—	31	18·9	7	6	—	22·6	19·4
Shibîn el Kôm	—	—	1	5·5	1	—	—	100·0	—
Damanhûr	5	—	5	13·4	—	1	—	—	20·0
Gîza	—	—	1	9·4	—	—	—	—	—
Fayûm	2	—	—	—	—	—	—	—	—
Beni Suef	11	—	2	5·4	2	—	—	100·0	—
Minia	2	—	1	2·5	—	—	—	—	—
Assiût... ..	11	—	6	22·4	1	—	—	16·7	—
Sohâg	3	—	2	29·9	2	—	—	100·0	—
Qena	1	—	2	27·8	—	1	—	—	50·0
Aswân... ..	3	—	8	14·0	1	3	—	12·5	37·5
TOTAL... ..	1,531	—	2,038	12·5	398	290	—	19·5	14·2

(4) Number of births of foreigners cannot be considered as exact, as they are not all notified.

TABLE XXIII.

COMPARATIVE TABLE OF THE RATES OF EGYPTIAN INFANT MORTALITY, 1908-1912.
(Per Cent of Births.)

TOWN.	1908.	1909.	1910.	1911.	1912.
Cairo	28·2	37·6	29·2	31·9	29·9
Alexandria	25·9	29·8	27·8	26·9	27·6
Damietta	15·3	5·18	16·5	18·1	14·9
Port Said	16·2	22·9	23·6	21·0	21·8
Suez	24·7	25·7	28·4	26·9	26·8
Ismailia	15·7	22·7	17·9	16·0	14·8
Benha	27·8	28·3	28·8	29·6	25·6
Zagazig	26·4	28·2	25·6	27·9	26·6
Tanta	24·3	30·3	29·2	29·6	26·0
Mansûra	20·7	28·3	24·1	21·4	18·1
Shibîn el Kôm	21·7	22·3	15·5	16·1	13·3
Damanhûr	25·4	30·2	26·8	27·5	24·9
Gîza	30·2	44·9	30·5	35·6	33·0
Fayûm	35·7	33·7	32·3	40·1	32·1
Beni Suef	30·4	32·7	35·4	37·1	35·1
Minia	30·7	40·6	34·5	38·2	33·6
Assiût	27·1	33·0	29·7	33·6	27·0
Sohâg	26·1	29·0	28·6	29·0	28·6
Qena	26·5	28·3	28·2	37·1	32·7
Aswân	37·1	33·7	28·7	41·1	29·0

INFECTIOUS DISEASES.

Smallpox, Measles, Diphtheria, Typhoid Fever, Typhus Fever, Relapsing Fever, Plague, Cerebro-Spinal Meningitis, Scarlet Fever.

The incidence of the above notifiable infectious diseases is shown in the following table :—

TABLE XXIV.

INFECTIOUS DISEASES NOTIFIED BY GOVERNMENT MEDICAL OFFICERS
AND PRIVATE MEDICAL PRACTITIONERS.

GOVERNORATE.	Smallpox.		Measles.		Diphtheria.		Typhoid Fever.		Typhus Fever.		Relapsing Fever.		Plague.		Cerebro-Spinal Meningitis.		Scarlet Fever.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.†	Cases.	Deaths.	Cases.	Deaths.
Cairo ...	64	16	426	368	767	528	*417	175	62	186	43	3	5	4	58	23	98	23
Alexandria	95	36	280	247	323	248	*295	173	13	7	29	2	33	15	20	17	60	8
Damietta	1	—	1	1	16	10	5	4	19	13	—	—	—	—	—	—	—	—
Port Said	5	2	14	6	17	16	50	15	16	8	—	—	12	3	—	1	27	4
Suez ...	7	2	10	1	13	4	22	4	2	1	7	—	—	—	—	—	2	—
Ismailia ...	1	—	3	1	6	4	22	8	2	1	—	—	—	—	—	—	4	2
Sinai ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL...	173	56	734	624	1,142	810	811	379	114	216	79	5	50	22	78	41	191	37

* Paratyphoid fever: Cairo Town, 10 cases; Government Hospital, 12 cases.
Alexandria European Hospital, 1 case.

† Including deaths out of Hospital.

Mariût district	
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TABLE XXIV (continued).

INFECTIOUS DISEASES NOTIFIED BY GOVERNMENT MEDICAL OFFICERS
AND PRIVATE MEDICAL PRACTITIONERS.

PROVINCE AND DISTRICT.		SMALLPOX.		MEASLES.		DIPHTHERIA.		TYPHOID FEVER.		TYPHUS FEVER.		RELAPSING FEVER.		PLAGUE.		CEREBRO-SPINAL MENINGITIS.		SCARLET FEVER.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Fayûm Province:—</i>																			
Fayûm district ...	...	—	—	18	7	10	11	5	8	6	4	—	—	21	17	—	—	1	3
Etsa district ...	...	—	—	40	24	—	—	—	—	51	19	—	—	49	15	—	—	—	—
Sennûres district ...	...	7	2	7	6	6	5	14	13	11	10	—	—	32	22	—	—	—	—
TOTAL ...	...	7	2	65	37	16	16	19	21	68	33	—	—	102	54	—	—	1	3
<i>Beni Suef Province:—</i>																			
Beni Suef district ...	...	22	3	3	5	6	7	3	2	14	11	—	—	24	5	1	—	1	—
Beba district ...	...	48	7	2	—	2	2	—	—	68	11	—	—	34	18	—	—	—	—
Wasta district ...	...	—	—	27	15	—	—	—	—	16	1	—	—	8	4	—	—	—	—
TOTAL ...	...	70	10	32	20	8	9	3	2	98	23	—	—	66	27	1	—	1	—
<i>Minia Province:—</i>																			
Minia district ...	...	25	7	1	7	5	26	7	3	4	4	—	—	90	22	—	—	—	—
Abu Qurqas district ...	...	25	5	—	—	—	—	—	—	—	—	—	—	54	11	—	—	—	—
Samalût district ...	...	10	1	—	—	—	—	—	—	4	—	—	—	24	9	—	—	—	—
Beni Mazâr district ...	...	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—
Maghâgha district ...	...	24	7	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—
El Fashn district ...	...	6	2	—	—	6	3	—	—	8	4	—	—	8	—	—	—	—	—
TOTAL ...	...	90	22	1	7	11	29	7	3	17	9	—	—	178	42	—	—	—	—
<i>Assiût Province:—</i>																			
Assiût district ...	...	6	1	42	41	1	47	2	12	51	26	—	—	5	3	—	2	—	—
Mallawi district ...	...	64	27	18	7	16	5	—	—	15	5	—	—	19	6	—	—	—	—
Deirût district ...	...	58	17	101	58	2	2	—	—	29	6	—	—	3	2	—	—	—	—
Manfalût district ...	...	4	1	119	54	17	12	—	—	88	30	—	—	—	—	—	—	—	—

PLAGUE.

The incidence of plague during 1912 showed a satisfactory diminution both in the number of outbreaks and also in the total number of cases and the rate of mortality. The following table gives an abstract of the statistical figures for 1912 as compared with 1911 :—

Year.	Localities Infected.	Total Cases.	Percentage of Cases per outbreak.	Pneumonic Cases.	Deaths.	Mortality-Rate Per Cent.
1911	153	1,656	10·8	178	1,041	62·9
1912	139	884	6·4	114	441	49·9

From this table the following conclusions may be gathered :—

- (1) The number of outbreaks not only shows a fair diminution, but the average number of cases per outbreak, 10·8 in 1911, was reduced to 6·4 in 1912.
- (2) The number of “pneumonic” cases (practically confined as usual to Upper Egypt) was reduced by more than one-third, which accounts for the lower rate of mortality.

There was an outbreak of “pneumonic” plague in Cairo which, fortunately, was successfully controlled, one of the most efficient instruments of control being the organized “passenger inspection service.” The outbreak was connected with the Abnûb infection. A student of the Tewfikia School, who had been visiting his relatives at Abnûb for the Easter holidays, developed the disease on his return to Cairo and died at his home on April 17. Twenty-five contacts were isolated and observed and the focus of infection stamped out, the only other deaths being the boy’s father and the sick attendant.

TABLE XXV.

NUMBER OF CASES AND DEATHS OF PLAGUE IN EGYPT.

Town or District.	Governorate or Province.	Cases.	Deaths.	Town or District.	Governorate or Province.	Cases.	Deaths.
Cairo	—	5	4	<i>Brought forward</i>		269	102
Alexandria... ..	—	33	15	Fayûm	Fayûm ...	21	17
Port Said	—	12	3	Etsa	„ ...	49	15
Tanta	Gharbîa ...	29	8	Semmûres	„ ...	32	22
Kafr el Zayât	„ ...	1	—	Minia	Minia ...	90	22
Santa	„ ...	3	2	Beni Mazâr	„ ...	2	—
Desûq	„ ...	20	4	Samalût	„ ...	24	9
Damanhûr	Beheira ...	15	6	El Fashn	„ ...	8	—
Shubrakhît	„ ...	1	1	Abu Qûrqâs	„ ...	54	11
Zagazig	Sharqîa ...	22	12	Assiût	Assiût ...	5	3
Minia el Qamh	„ ...	5	2	Mallawi	„ ...	19	6
Hehia	„ ...	1	1	Deirût... ..	„ ...	3	2
El Matarîa... ..	Daqahlîa ...	1	1	Abnûb... ..	„ ...	80	52
Qaliûb... ..	Qaliubîa ...	2	2	Manfalût	„ ...	—	—
Tûkh	„ ...	6	1	Sohâg	Girga ...	48	44
Nawa	„ ...	1	—	Baliâna	„ ...	6	6
Shibîn el Kôm	Menufîa ...	6	1	Nag ^e Hamâdi	Qena	19	19
Tala	„ ...	13	6	Qena	„ ...	8	8
Quesna	„ ...	21	4	Deshna	„ ...	2	2
Gîza	Gîza	6	2	Qûs	„ ...	101	70
Beni Suef	Beni Suef...	24	5	Esna	„ ...	2	—
Beba	„ ...	34	18	Aswân... ..	Aswân ...	41	30
Wasta	„ ...	8	4	Edfu	„ ...	1	1
<i>Carried forward</i>		269	102	TOTAL		884	441

TABLE XXVI.

MONTHLY INCIDENCE OF PLAGUE CASES AND DEATHS.

[illegible]

TABLE XXVII.

RECAPITULATION OF PLAGUE STATISTICS, 1899-1912.

Year.	Cases. *	Deaths. *	Deaths per cent.
1899	93	45	48·0
1900	127	60	47·2
1901	205	102	49·5
1902	481	291	60·0
1903	303	160	52·7
1904	854	501	58·6
1905	266	181	68·0
1906	631	475	75·2
1907	1,253	914	72·9
1908	1,511	780	51·6
1909	513	207	40·5
1910	1,238	615	49·7
1911	1,656	1,041	62·9
1912	884	441	49·9
TOTAL... ..	10,015	5,813	58·0

* Including deaths out of hospital.

TABLE XXVIII.

TOTAL CASES OF PLAGUE, FROM JANUARY 1 TO DECEMBER 31, 1912 (FROM DAILY BULLETINS).

TOWN OR DISTRICT.	GOVERNORATE OR PROVINCE.	Existing.	NEW CASES.			Deaths in hospital.	Cured.	Remaining.	DEATHS OUT OF HOSPITAL.			TOTAL.
			Bubonic.	Septicemic.	Pneumonic.				Bubonic.	Septicemic.	Pneumonic.	
Egyptians.												
Alexandria ...	—	—	16	—	—	7	9	—	3	—	3	22
Cairo	—	—	3	—	1	3	1	—	—	—	1	5
Port Said	—	—	11	—	1	3	9	—	—	—	—	12
Tanta	Gharbîa ...	—	24	2	—	5	19	2	3	—	—	29
Desûq... ..	"	—	18	—	—	2	16	—	2	—	—	20
Kafr el Zayât ...	"	—	1	—	—	—	1	—	—	—	—	1
Santa	"	—	1	—	—	—	1	—	2	—	—	3
Damanhûr ...	Beheira ...	—	9	—	—	1	8	—	4	—	—	13
Shubrakhût ...	"	—	—	—	—	—	—	—	1	—	—	1
Zagazig	Sharqîa ...	—	16	—	—	8	8	—	1	3	—	20
Hehia... ..	"	—	—	—	—	—	—	—	1	—	—	1
Minia el Qamh...	"	—	5	—	—	2	2	1	—	—	—	5
El Mataria ...	Daqahliâ ...	—	1	—	—	1	—	—	—	—	—	1
Tûkh	Qaliubîa ...	1	6	—	—	1	6	—	—	—	—	6
Qaliûb	"	—	2	—	—	2	—	—	—	—	—	2
Nawa... ..	"	—	1	—	—	—	1	—	—	—	—	1
Shibîn el Kôm...	Menufia ...	—	6	—	—	1	4	1	—	—	—	6
Quesna	"	—	20	—	—	3	17	—	1	—	—	21
Tala	"	—	7	3	—	3	4	3	—	2	—	12
Gîza	Gîza	—	6	—	—	2	4	—	—	—	—	6
Beba	Beni Snef...	—	20	—	6	10	16	—	4	—	4	34
Beni Snef... ..	"	—	19	3	—	3	19	—	2	—	—	24
Wasta... ..	"	—	7	—	—	3	4	—	1	—	—	8
Fayûm	Fayûm ...	—	8	—	3	7	4	—	5	—	5	21
Sennûres	"	—	19	—	—	9	10	—	11	2	—	32
Etsa	"	—	41	—	—	7	34	—	6	1	1	49
Minia... ..	Minia ...	—	83	2	—	17	66	2	4	—	1	90
El Fashm	"	—	8	—	—	—	8	—	—	—	—	8
Abu Qurqâs ...	"	—	50	2	—	9	43	—	1	1	—	54
Beni Mazâr ...	"	—	2	—	—	—	2	—	—	—	—	2
Samalût	"	—	21	—	—	6	15	—	3	—	—	24
Manfalût	Assiût ...	1	—	—	—	—	1	—	—	—	—	—
Abnûb	"	—	47	5	—	24	28	—	15	13	—	80
Deirût	"	—	1	—	—	—	1	—	1	1	—	3
Mallawi	"	—	14	1	—	3	12	—	3	—	—	18
Assiût	"	—	3	—	—	1	2	—	2	—	—	5
Sohâg	Girga ...	—	2	—	37	35	4	—	—	—	9	48
Baliâna	"	—	1	—	3	4	—	—	1	1	—	6
Qûs	Qena... ..	—	65	4	14	52	31	—	9	7	2	101
Qena	"	—	—	7	—	7	—	—	1	—	—	8
Esna	"	—	2	—	—	—	2	—	—	—	—	2
Nag ^c Hamâdi ...	"	—	—	—	15	15	—	—	—	—	4	19
Deshna	"	—	—	1	—	1	—	—	1	—	—	2
Aswân	Aswân ...	—	27	5	4	25	11	—	2	3	—	41
Edfû	"	—	—	—	—	—	—	—	1	—	—	1
TOTAL ...		2	593	35	84	282	423	9	91	34	30	867
Foreigners.												
Alexandria ...	—	—	11	—	—	2	9	—	—	—	—	11
Damanhûr ...	Beheira ...	—	2	—	—	1	1	—	—	—	—	2
Zagazig	Sharqîa ...	—	2	—	—	—	2	—	—	—	—	2
Tala	Menufia ...	—	1	—	—	1	—	—	—	—	—	1
Mallawi	Assiût ...	—	1	—	—	—	1	—	—	—	—	1
TOTAL ...		—	17	—	—	4	13	—	—	—	—	17
GRAND TOTAL...		2	610	35	84	286	436	9	91	34	30	884

Number of cases, 884 ; number of deaths, 441 ; number of cured, 436 ; cases under treatment, 9.

MALARIA AT SUEZ.

TABLE XXX.

MONTH.	In-patients.	Out-patients.	Deaths registered.
January	—	—	—
February	1	2	—
March	—	1	—
April	—	5	—
May	—	2	—
June	—	4	1
July	3	4	—
August	1	4	—
September	2	4	—
October	10	10	5
November	17	23	—
December	1	20	1
Total... ..	35	79	7

The deaths of malaria at Suez for the ten years 1903–1912 were : 1903, 54 ; 1904, 81 ; 1905, 50 ; 1906, 38 ; 1907, 22 ; 1908, 17 ; 1909, 11 ; 1910, 8 ; 1911, 8 ; 1912, 7.

The cases of malaria treated in hospital were : 1909, 65 ; 1910, 39 ; 1911, 8 ; 1912, 35.

The cost of the work was :—

	L.E.	MILL.
Overseer of petroleum gang	72	
Overseer of drains gang	84	
Workmen of petroleum and drains gangs	106	210
Petroleum	130	288

The year was marked by a sharp outbreak of malaria in the autumn along the whole Canal zone, and were it not for the measures in force, it would have been marked down as a bad year in Suez.

Except in the town itself and the immediate vicinity the existence of the disease only became known when it had got well established. In the scattered settlements along the Canal right up to Zagazig the first cases are either not treated at all, or treated by quinine supplied by friends, and only come under medical supervision when the marasmic stages are entered upon and the rest of the family is down with the disease. For this reason we only became aware of the existence of malaria when it was at its height. Dropping cases occurred at various *foci* from the end of July along the whole length of the Canal. In September these centres rapidly enlarged and coalesced till in October the whole Canal zone was affected. The Canal level has been higher than in 1911, and there has been more casual water lying about, consequently mosquitoes bred more freely, otherwise the conditions have been very much the same as in other years. Prophylactic measures have been on the usual lines.

AMBULANCES.

15 mules and 1 horse were used by the Central Stores for the transport of patients and equipment, etc. :—

The 1st class ambulance was used	203 times.
The 2nd ,, ,, ,, ..	108 ,,
The 3rd ,, ,, ,, ,,	194 ,,
The 4th ,, ,, ,, ,,	642 ,,

TABLE XXXI.

AMBULANCES ISSUED FOR FEVER CASES.

No. of Bedsteads.	DATE.			LOCALITY.	DISTRICT.	PROVINCE.
	1912.					
50	January	6	...	Kharga Oasis ...	Kharga Oasis ...	Assiût.
10	"	13	...	Mallahia ...	Beba ...	Beni Suef.
10	"	21	...	Mit Elwân ...	Kafr el Sheikh ...	Gharbîa.
10	"	21	...	Kafr Kadr ...	Tanta ...	"
10	"	21	...	Ezbet el Affandi ...	Kafr el Sheikh ...	"
10	"	22	...	Dalgamûn ...	Kafr el Zayât ...	"
20	"	24	...	Amria ...	Mariût ...	Beheira.
10	"	24	...	Qallin ...	Kafr el Sheikh ...	Gharbîa.
20	"	28	...	Deidan ...	Shubrakhît ...	Beheira.
10	"	29	...	Kafr Kulta el Soghra ...	Menûf ...	Menufia.
5	"	31	...	Shatanûf ...	Shibîn el Kôm ...	"
20	February	8	...	Ezbet Turkey ...	Abu Hommos ...	Beheira.
20	"	11	...	Kafr el Shurbagi ...	Kafr el Zayât ...	Gharbîa.
15	"	12	...	Tanûb ...	Tala ...	Menufia.
10	"	12	...	Faraskûr ...	Faraskûr ...	Daqahlîa.
10	"	14	...	Tanûb ...	Tala ...	Menufia.
30	"	14	...	Kafr Mansûr ...	Tûkh ...	Qaliubîa.
20	"	14	...	Zawyet el Bakli ...	Tala ...	Menufia.
20	"	19	...	Mit el 'Ez ...	Mansûra ...	Daqahlîa.
10	"	21	...	Kafr el Amra ...	Menûf ...	Menufia.
10	"	21	...	Kafr Abshîsh ...	Quesna ...	"
10	"	23	...	Zawyet el Bakli ...	Tala ...	"
10	"	23	...	Kafr Rabbîh ...	Tala ...	"
10	"	25	...	Infectious Diseases Hosp.	Zagazig... ..	Sharqîa.
5	"	25	...	Shenûfa ...	Shibîn el Kôm ...	Menufia.
20	"	27	...	Shabas el Shuhâda... ..	Desuq ...	Gharbîa.
10	"	27	...	Mit el Kirâm ...	Tala ...	Menufia.
20	March	3	...	Kafr Bulîn ...	Kôm Hamâda ...	Beheira.
10	"	7	...	Mit el Gharka... ..	Talkha ...	Gharbîa.
20	"	8	...	El Tairîa ...	Kôm Hamâda ...	Beheira.
10	"	12	...	El Ghadaba ...	Bassiûn... ..	Gharbîa.
10	"	17	...	Der Abu Hasan ...	Mallawi ...	Assiût.
10	"	17	...	Ezbet Rostom... ..	Abu Hommos ...	Beheira.
10	"	19	...	Batanûn ...	Shibîn el Kôm ...	Menufia.
10	"	20	...	Abu Deira ...	Shubrakhît ...	Beheira.
20	"	20	...	Bedwai ...	Mansûra ...	Daqahlîa.
20	"	21	...	Sidi Ghazi ...	Kafr el Dawâr ...	Beheira.
10	"	25	...	Ezbet el Haga... ..	Faraskûr ...	Daqahlîa.
20	"	26	...	Shubra Hûr ...	Aga ...	"
10	"	31	...	Mahalla ...	Mahalla ...	Gharbîa.
20	April	7	..	Zaatra ...	Faraskûr ...	Daqahlîa.
15	"	8	...	Ezbet Kôm Rizq ...	Damanhûr ...	Beheira.
10	"	10	...	Defra ...	Tanta ...	Gharbîa.
10	"	11	...	Dia el Kôm ...	Quesna ...	Menufia.
10	"	13	...	Minshat Ganzûr ...	Tanta ...	Gharbîa.
10	"	16	...	Ezbet Kabîl ...	Damanhûr ...	Beheira.
650						

TABLE XXXI (continued).

AMBULANCES ISSUED FOR FEVER CASES.

No. of Bedsteads.	DATE.				LOCALITY.	DISTRICT.	PROVINCE.
650	1912.						
10	April	20	...	...	Morcos	Shubrakhît	Beheira.
10	"	21	...	...	Itai	Itai	"
20	"	25	...	...	Zagazig	Zagazig... ..	Sharqîa.
10	"	26	...	...	Kafr Mansûr	Tûkh	Qaliubîa.
10	"	27	...	...	Ezbet Ghâli	Abu Hommos	Beheira.
10	"	28	...	...	Abu Qîr	Rosetta... ..	"
10	May	1	...	...	" ... ..	" ... ..	"
10	"	2	...	...	Maushiet Nassâr	Damanhûr	"
20	"	3	...	...	El Negîla	Kom Hamâda	"
10	"	5	...	...	Ezbet Mustafa Sobhi	Simbellawein	Daqahlîa.
10	"	9	...	...	Ezbet Saqr	"	"
10	"	16	...	...	Kafr Mansûr	Tûkh	Qaliubîa.
10	"	19	...	...	Gamaliâ	Mansûra	Daqahlîa.
10	"	21	...	...	Mit el Khôli	"	"
10	"	24	...	...	Babia el Hamra	Delingât	Beheira.
15	"	28	...	...	Mit Ali	Mansûra	Daqahlîa.
20	June	4	...	...	Abu Sîr	Wasta	Beni Suef.
10	"	5	...	...	Soed	Dekernes	Daqahlîa.
10	"	9	...	...	Taramsa	Faraskûr	"
10	"	11	...	...	Babia el Hamra	Delingât	Beheira.
20	"	18	...	...	Ezbet el Manshia	Damanhûr	"
10	July	5	...	...	Derbîn	Talkha	Gharbîa.
10	"	11	...	...	El Karma	Abu Qurqâs... ..	Minia.
10	"	14	...	...	Kafr el Arab	Faraskûr	Daqahlîa.
10	"	18	...	...	Ezbet Abu el Dûd	Abu Hommos	Beheira.
10	"	21	...	...	Kafr el Rommâna	Qaliûb	Qaliubîa.
20	"	21	...	...	Kafr Magar	Desûq	Gharbîa.
10	"	28	...	...	Abu Dura	Shubrakhît	Beheira.
10	August	7	...	...	Vieha Belkha	Damanhûr	"
10	"	31	...	...	Broula	Kafr el Dawâr	"
20	September	16	...	...	Muina	Itai	"
10	"	28	...	...	Saranga	Mansûra	Daqahlîa.
20	"	28	...	...	Salamûn	"	"
10	October	15	...	...	Mit Ghazâl	Santa	Gharbîa.
10	"	16	...	...	Mit el Hâres	Aga	Daqahlîa.
10	"	24	...	...	El Armana	"	"
20	December	29	...	...	Ezbet Ragheb Pasha	Damanhûr	Beheira.
1,105							

TABLE XXXII.

MEDICINE CHESTS FOR FEVER CASES.

No.	DATE.				LOCALITY.	DISTRICT.				PROVINCE.
	1912									
1	January	20	...	...	Nag ^c el Gameh	Deshna				Qena.
1	"	29	...	...	Hamûl	Menûf				Menufia.
1	"	30	...	...	Kôm Ambeer	—				—
1	February	3	...	...	Nag ^c el Tina	Qena				Qena.
1	April	16	...	...	Kalamshah	Fayûm				Fayûm.
1	"	26	...	...	Makati	Shibîn el Kôm				Menufia.
1	"	27	...	...	Faraskûr	Faraskûr				Daqahlia.
1	"	27	...	...	Daragîl	Tala				Menufia.
1	May	3	...	...	Mît el Kerâm	"				"
1	"	5	...	...	Kamshish	"				"
1	"	6	...	...	Shenûfa	Shibîn el Kôm				"
1	"	7	...	...	Damâs	Mît Ghamr				Daqahlia.
1	"	8	...	...	Aswân	Aswân				Aswân.
1	"	15	...	...	Samalût	Samalût				Minia.
1	"	18	...	...	El Fashn	El Fashn				"
1	"	25	...	...	Kafr el Sheikh Shehata	Tala				Menufia.
1	"	27	...	...	Nag ^c Hamâdi	Nag ^c Hamâdi				Qena.
2	"	28	...	...	Mît Ghamr	Mît Ghamr				Daqahlia.
1	"	28	...	...	Batanûn	Shibîn el Kôm				Menufia.
1	June	7	...	...	Ismailia	Ismailia				Ismailia.
1	"	14	...	...	Mazghûna	Ayât				Gîza.
1	"	15	...	...	Tala	Tala				Menufia.
1	"	21	...	...	Shagaia	Mahalla				Gharbia.
1	"	24	...	...	Edfa	Sohâg				Girga.
1	"	26	...	...	Bassiûn	Bassiûn				Gharbia.
1	"	26	...	...	Hod el Soghra	Damanhûr				Beheira.
1	"	29	...	...	Shibîn el Kôm	Shibîn el Kôm				Menufia.
1	July	4	...	...	Zifta	Zifta				Daqahlia.
3	"	9	...	...	Daniâs	Mît Ghamr				"
1	August	18	...	...	Faraskûr	Faraskûr				"
1	"	18	...	...	Hehia	Hehia				Sharqia.
1	"	18	...	...	Kôm Hamâda	Kôm Hamâda				Beheira.
1	September	3	...	...	Samadûn	Menûf				Menufia.
1	"	25	...	...	Elwat	"				"
1	October	5	...	...	El Diabia	Shibîn el Kôm				"
1	"	8	...	...	Saranga	Mît Ghamr				Daqahlia.
1	"	10	...	...	Salamûn Qibli	Shibîn el Kôm				Menufia.
1	"	17	...	...	Seresna	" "				"
2	December	7	...	...	Mît Ghamr	Mît Ghamr				Daqahlia.
1	"	29	...	...	El Nekhil	Sinai				Sinai.

TABLE XXXIII.

AMBULANCES ISSUED FOR SMALLPOX CASES.

No. of Bedsteads.	DATE.				LOCALITY.				DISTRICT.				PROVINCE.			
	1912.															
15	January	13	...	...	Basiûn	...	...	...	Basiûn	...	...	...	Gharbîa.			
10	"	29	...	...	Beni Suef...	...	...	...	Beni Suef	...	...	...	Beni Suef.			
10	February	6	...	...	Bedera	...	...	...	Minia	...	...	...	Minia.			
20	"	22	...	...	Tayria	...	...	...	Kom Hamada	...	...	...	Beheira.			
10	"	26	...	...	Ezbet Moh. Hassan...	...	...	...	Mit Ghamr	...	...	...	Daqahlîa.			
10	March	10	...	...	Tûkh	...	...	...	Tûkh	...	...	...	Qaliubîa.			
10	"	28	...	...	El Neigili...	...	...	...	Abu Hommos	...	...	...	Beheira.			
10	April	7	...	...	Tamîa	...	...	...	Sennûres	...	...	...	Fayûm.			
20	"	15	...	...	Ezbet Moh. Habîb	...	...	...	Menûf	...	...	...	Menufîa.			
15	"	20	...	...	Mit el Sudan	...	...	...	Tanta	...	...	...	Gharbîa.			
15	May	15	...	...	Kafr Yusef	...	...	...	Simbellawein	...	...	...	Daqahlîa.			
20	"	26	...	...	Bayadîa	...	...	...	Mallawi	...	...	...	Assiût.			
10	June	15	...	...	El Rouda	...	...	...	"	...	...	...	"
10	"	18	...	...	Kafr Nagm	...	...	...	Kafr Saqr	...	...	...	Sharqîa.			
15	July	7	...	...	Beltan	...	...	...	Tûkh	...	...	...	Qaliubîa.			
10	"	12	...	...	El Sheen	...	...	...	Basiûn	...	...	...	Gharbîa.			
10	"	17	...	...	El Ehsanieh	...	...	...	Hehia	...	...	...	Sharqîa.			
10	"	17	...	...	Abu Daûd	...	...	...	Simbellawein	...	...	...	Daqahlîa.			
10	October	5	...	...	El Sabah	...	...	...	Qaliûb	...	...	...	Qaliubîa.			
10	November	17	...	...	Beltan	...	...	...	Tûkh	...	...	...	"
10	"	23	...	...	Mallawi	...	...	...	Mallawi	...	...	...	Assiût.			
10	December	2	...	...	Manshiet el Khezat	...	...	...	Damanhûr	...	...	...	Beheira.			
10	"	15	...	...	Ezbet Babia el Hamra	...	...	...	Delingât	...	...	...	"
10	"	25	...	...	Gerness	...	...	...	Abu Qurqâs	...	...	...	Minia.			
15	"	28	...	...	Samalût	...	...	...	Samalût	...	...	...	"
10	"	31	...	...	Zawyet el Aswân	...	...	...	Minia	...	...	...	"
315																

TABLE XXXIV.

MEDICINE CHESTS FOR SMALLPOX CASES.

No.	DATE.				LOCALITY.	DISTRICT.	PROVINCE.
	1912.						
1	January	1	...	...	Zawaida	Qûs	Qena.
1	"	21	...	...	Silwa... ..	Edfu	Aswân.
1	April	26	...	...	Tibah... ..	Sohâg	Girga.
1	May	5	...	...	Kafr el Bagûr... ..	Menûf	Menufia.
1	"	6	...	...	Shamar el Kebeila	Maghagha	Minia.
1	"	10	...	...	Manawahla	Menuf	Menufia.
1	"	19	...	...	Bir Shams	"	"
1	June	3	...	...	Minshat Shanawân... ..	Shibîn el Kôm	"
1	"	9	...	...	Mit el Baida	Qesna	"
1	"	17	...	...	Telbent Abshish	"	"
1	"	19	...	...	Minshat Ghamrîn	Menûf	"
1	"	24	...	...	Kafr el Sitat	"	"
1	"	28	...	...	Mahallet Sobk... ..	Ashmûn	"
1	July	21	...	...	Tanta... ..	Tanta	Gharbîa.
1	September	2	...	...	El Touberat	Qena	Qena.
1	"	24	...	...	Nag ^c Hamâdi	Nag ^c Hamâdi	"
1	"	28	...	...	Dia el Kôm	Menûf	Menufia.
1	October	29	...	...	Kafr el Faraunîa	Ashmûn	"
1	November	17	...	...	Anshas	Belbeis	Sharqîa.
1	"	27	...	...	Mit Hafan	Shibîn el Kôm	Menufia.
1	"	30	...	...	Zifta	Zifta	Daqahlîa.
1	December	2	...	...	Qolta el Soghra	Ashmûn	Menufia.
1	"	28	...	...	Beni Saleh	El Fashn	Minia.
23							

TABLE XXXV.

AMBULANCES ISSUED FOR PLAGUE CASES.

No.	DATE OF ISSUE.				LOCALITY.
	1912.				
1	February	18	...	...	Beba.
1	"	27	...	...	Tanta.
1	"	27	...	...	Beni Suef.
1	March	15	...	...	Tûkh.
1	April	20	...	...	Beni Suef.
1	"	20	...	...	Wasta.
1	"	24	...	...	Sharqîa.
2	May	21	...	...	Sennûres.
2	"	24	...	...	Fayûm.
1	July	22	...	...	Beni Suef.
1	August	29	...	...	Desûq.
1	September	10	...	...	"
1	"	18	...	...	Bassiûn.
1	November	2	...	...	Desûq.
1	"	4	...	...	Bedreshein.
1	"	26	...	...	Sharqîa.
18	Ambulances each for 10 patients.				

PASSENGER AND
TABLE

STATISTICS OF PASSENGERS WHO LANDED AT ALEXANDRIA

MONTH.	PASSENGERS FOR CAIRO.						PASSENGERS FOR INTERIOR.					
	1st and 2nd Class.			3rd Class.			1st and 2nd Class.			3rd Class.		
	Found.	Not found.	%	Found.	Not found.	%	Found.	Not found.	%	Found.	Not found.	%
January	645	17	2·66	195	5	2·56	40	1	2·50	89	2	2·25
February	298	1	0·34	98	2	2	28	—	—	52	1	1·20
March	601	3	0·50	125	1	0·80	269	—	—	143	—	—
April	—	—	—	90	1	1·11	—	—	—	29	—	—
May	4	—	—	66	—	—	1	—	—	102	1	0·95
June	133	—	—	97	—	—	28	—	—	46	—	—
July	115	2	1·65	95	1	1·10	43	—	—	281	—	—
August	135	—	—	123	3	2·50	177	3	1·66	97	1	1·05
September	596	3	0·50	420	1	0·24	346	1	0·29	385	2	0·50
October	572	5	0·86	319	7	2·15	177	—	—	848	1	0·12
November	336	5	1·47	263	2	0·77	163	1	0·62	201	—	—
December	204	6	3	147	2	1·35	66	—	—	111	1	0·95
	3,639	42	1·14	2,038	25	1·21	1,338	6	0·45	2,387	9	0·37

Total number of passengers found : 59,567 (including passengers sent to Chatby Observation Camp).
" " " not found : 166 = 0·32 per cent.

TABLE

STATISTICS OF PASSENGERS WHO LANDED AT PORT SAID FROM

MONTH.	PASSENGERS TO CAIRO.								PASSENGERS TO ALEXANDRIA.								PASSENGERS TO INTERIOR.							
	1st and 2nd Class.				3rd Class.				1st and 2nd Class.				3rd Class.				1st and 2nd Class.				3rd Class.			
	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.
				%				%				%				%				%				%
January ...	513	91	2	84·65	245	78	—	75·85	54	10	—	84·37	38	22	1	62·29	67	1	1	97·10	72	7	—	91·13
February ...	558	113	—	83·15	243	99	—	71·07	47	17	—	73·56	50	44	4	51·02	84	1	—	98·82	102	27	—	79·06
March ...	636	100	2	86·16	596	171	2	77·50	88	51	—	63·30	42	38	1	51·85	86	5	—	94·50	152	25	—	85·87
April ...	51	14	—	78·46	595	183	—	76·49	11	17	—	39·28	103	48	6	65·54	17	1	—	94·44	757	60	—	92·65
May ...	—	—	—	—	363	171	—	67·97	—	—	—	—	43	47	2	46·74	—	—	—	—	208	35	7	83·20
June ...	78	20	1	78·78	238	68	2	77·27	23	7	—	76·66	34	12	—	73·91	53	1	—	98·14	128	12	1	90·78
July ...	306	43	9	85·47	431	73	3	85·0	45	22	—	67·16	91	29	—	75·83	123	4	—	96·85	809	40	5	94·73
August ...	253	60	4	79·81	345	62	3	84·14	52	5	—	91·20	54	11	1	81·81	66	2	—	97·05	180	16	—	91·83
September ...	318	13	4	94·92	156	14	—	91·76	15	2	—	88·23	7	—	—	100	77	1	—	98·71	102	17	1	85·0
October ...	541	61	—	89·86	450	60	1	88·06	82	6	—	95·45	126	15	—	89·36	261	2	—	99·23	365 *	90	—	80·21
November ...	330	45	1	87·76	375	126	—	74·85	32	7	—	82·05	39	37	—	51·31	73	5	1	92·40	210	17	—	92·51
December ...	145	52	—	73·60	330	80	1	80·29	19	—	—	100	39	11	—	78·0	33	—	—	100	160	22	—	87·91
	3,729	612	23	85·44	4,367	1,175	12	78·62	468	144	—	76·47	666	314	15	66·93	940	23	2	97·40	3,245	368	14	89·46

* Of these 90 passengers not found, 83 went to Suez on their way to Djedda.

NOTE.—Passengers are counted as found only if seen for three days.

IMMIGRANT CONTROL.

XXXVI.

FROM SHIPS COMING FROM CHOLERA-INFECTED COUNTRIES.

PASSENGERS REMAINED AT ALEXANDRIA.						TRANSIT PASSENGERS.						TOTAL.					
1st and 2nd Class.			3rd Class.			1st and 2nd Class.			3rd Class.			1st and 2nd Class.			3rd Class.		
Found.	Not found.	%	Found.	Not found.	%	Found.	Not found.	%	Found.	Not found.	%	Found.	Not found.	%	Found.	Not found.	%
525	2	0·38	2,067	5	0·25	18	3	16·75	33	7	20·12	1,228	23	1·84	2,384	19	0·79
414	—	—	1,690	7	0·41	20	7	35	34	4	9·50	760	8	1·05	1,874	14	0·70
753	2	0·26	3,047	2	0·06	74	2	2·70	204	—	—	1,697	7	0·41	3,519	3	0·08
—	—	—	2,017	—	—	—	—	—	59	2	3·35	—	—	—	2,195	3	0·13
27	—	—	2,033	4	0·20	2	—	—	11	—	—	34	—	—	2,212	5	0·22
393	—	—	2,054	3	0·14	20	—	—	80	—	—	574	—	—	2,277	3	0·13
388	2	0·51	2,005	4	0·20	8	—	—	44	—	—	554	4	0·71	2,425	5	0·20
643	1	0·15	2,521	1	0·03	6	—	—	47	—	—	961	4	0·41	2,788	5	0·19
1,075	1	0·09	3,749	6	0·16	23	2	8·60	43	—	—	2,040	7	0·34	4,597	9	0·19
1,430	1	0·07	4,971	6	0·12	66	2	2·85	191	2	1·05	2,245	8	0·35	6,329	16	0·25
838	1	0·12	3,092	5	0·16	52	—	—	173	—	—	1,389	7	0·50	3,732	7	0·18
450	—	—	3,610	—	—	15	—	—	150	—	—	735	6	0·80	4,018	3	0·08
6,936	10	0·15	32,856	43	0·14	304	16	5	1,069	15	1·40	12,217	74	0·60	38,350	92	0·24

XXXVII.

SHIPS COMING FROM CHOLERA-INFECTED COUNTRIES.

PASSENGERS REMAINING HERE.								TOTAL NUMBER OF PASSENGERS.								TRANSIT PASSENGERS.					
1st and 2nd Class.				3rd Class.				1st and 2nd Class.				3rd Class.				1st and 2nd Class.			3rd Class.		
Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	No Reply.	Percentage Found.	Found.	Not Found.	Percentage Found.	Found.	Not Found.	Percentage Found.
			%				%				%				%			%			%
113	6	—	94·95	470	9	—	98·12	747	108	3	87·06	825	116	1	87·57	69	8	89·61	34	6	85·0
147	7	—	95·45	709	11	—	98·47	836	138	—	85·87	1,104	181	4	85·64	56	21	72·72	103	3	97·16
182	7	—	96·29	745	33	—	95·75	992	163	2	85·73	1,535	267	3	85·04	91	13	87·50	135	3	97·82
27	1	—	96·42	821	36	—	95·79	106	33	—	76·25	2,276	327	6	87·24	1	2	33·33	306	4	98·70
—	—	—	—	686	13	—	98·14	—	—	—	—	1,300	266	9	82·53	—	—	—	205	9	95·79
45	3	—	93·75	456	13	—	97·22	199	31	1	86·23	856	105	3	88·79	23	1	95·83	71	16	81·60
102	15	—	87·15	568	12	—	97·93	576	84	9	86·89	1,899	154	8	92·13	113	2	98·26	91	12	88·34
84	12	—	87·50	664	12	—	98·22	455	79	4	84·57	1,243	101	4	92·21	125	2	98·42	259	2	99·23
65	4	—	94·20	338	7	—	98·22	475	20	4	95·19	653	38	1	94·36	38	4	90·47	116	7	94·30
150	10	—	93·75	1,003	17	—	98·33	1,034	79	—	92·99	1,941	182	1	91·39	44	2	95·65	172	9	95·55
99	13	—	88·39	765	13	—	98·32	534	70	2	88·10	1,389	183	—	88·36	89	—	100	173	1	99·42
35	9	—	79·54	411	9	—	97·85	232	61	—	79·18	940	122	1	88·42	47	2	95·91	71	2	97·26
1,049	87	—	92·34	7,686	185	—	97·64	6,186	866	25	87·40	15,964	2,042	41	88·45	696	57	92·43	1,736	74	95·80

Total number of passengers found 22,150.
" " " not found 2,908.
Percentage of passengers found 88·20 %.

TABLE XXXVIII.

PASSENGERS THROUGH SALHIA FROM THE EAST DURING THE PERIOD NOVEMBER 10, 1912
TO FEBRUARY 28, 1913.

Total number of passengers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,574
Number not found	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32
Number found	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,542

Provenance.																Number.
Qantara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,542
Ismailia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
Port Said	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Jerusalem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1

Percentage of passengers found 98.75 %

TABLE XXXIX.

STATISTICS OF PASSENGERS THROUGH QANTARA FROM THE EAST DURING THE PERIOD
NOVEMBER 7, 1912 TO FEBRUARY 28, 1913.

PROVENANCE.	No.	DESTINATION.	No.	PROFESSION.	No.
Qatya	2,424	Sallia	2,456	Camelman	3,421
El Arîsh	526	Cairo... ..	184	Merchant	144
Khan Younis	205	Qantara	109	Shepherd	122
El Khalil	181	Santa	76	Traveller	87
Damascus	133	Managah Kobra (Faqu's).	67	Labourer	74
Ghaza	120	Zagazig	59	Farmer	67
El Sabaa	111	Korain (Zagazig)	61	Camel merchant	47
Makara (Sinai)	72	Ekiâd (Faqu's)... ..	34	Pedlar	38
Masaid	93	Isma'ilia	30	Soap seller	28
Jerusalem	67	Port Said... ..	30	Horse merchant	14
Hama	58	Mit Bera (Quesna)... ..	26	Hunter	7
Syria	42	Hamadin (Faqu's)	25	Soldier	7
Jaffa	33	Tallein (Mina el Qamh)... ..	27	Student	5
Beni Ashela	27	Gezîret Bili (Tûkh)	22	Tailor	5
Beyrout	25	Sama'na (Faqu's)	20	Baker	5
Dawdaa	14	Abu Kebîr	20	Carpenter... ..	3
Aleppo	11	Alexandria	17	Confectioner	3
Abu Erouk	9	Simbellawein	17	Drummer... ..	3
El Galil	8	Bilbeis	16	Groom	3
Absan	7	Dawâma (Faqu's)	14	Barber	2
Sheikh Zowayid	6	Kattawia (Zagazig)	11	Cook... ..	2
Hams	4	Shubra (Bilbeis)	11	Beggar	2
Tripoli (Syria)	4	Hehia	11	Shoemaker	2
Suez	4	Quesna	11	Butcher	2
Lebanon	3	Abu Soer (Zagazig)	10	Coachman	2
Hefa	3	Abu Hamad (Zagazig)	7	Clerk	2
Baghdad	2	Hawamdîa (Gîza)	7	Servant	2
Houran	1	Tanta	7	Guide	1
Rafh	1	Sahragt el Kubra (Mit Ghamr)	7	Mechanic... ..	1
		Bordein (Bilbeis)	6	Vegetable seller	1
		Tell el Kebîr	5	Ironer	1
		Hasswa (Kafr Saqr)	5	Teacher	1
		Kafr el Zayât... ..	5	Glazier	1
		Sawalih (Faqu's)	4	Cigarette maker	1
		Sammakîn	4	Engine driver... ..	1
		Shibîn el Qanâter	4	Painter	1
		Zankalûn (Zagazig)	4	Mattress maker	1
		Gisfa (Mit Ghamr)	4	Officer	1
		Mahalla Kebîr... ..	5	Substitut du Parquet	1
		Benha	4	Women and children	83
		Senit (Mit Ghamr)	3		
		Shibîn el Kôm	3		
		Qassasîn	3		
		Khors (Mina el Qamh)	2		
		Mansûra	2		
		Siro (Menûf)	2		
		El Shein (Tanta)	2		
		Khanka	2		
		Basatîn (Helwân)	2		
		Saadien (Zagazig)	1		
		Detained at Qantara	730		
TOTAL	4,194	TOTAL	4,194	TOTAL	4,194

Total Number of Passengers.	Number found.	Number detained.	Number not found.	REMARKS.
4,194	3,163	730	301	Percentage of Passengers found 92·8%.

TABLE XL.

STATISTICS OF PASSENGERS THROUGH ISMAILIA FROM THE EAST DURING THE PERIOD
NOVEMBER 11, 1912 TO FEBRUARY 28, 1913.

PROVENANCE.	No.	DESTINATION.	No.	PROFESSION.	No.
Syria	89	Korain	73	Merchant	14
Damascus	45	Bilbeis	81	Camelman	139
Jaffa	32	Ismailia	42	Farmer	41
Nagd	30	Kahbûna	32	Camel merchant	36
Ghaza	19	El Mataria (Cairo)... ..	11	Horse merchant	12
Qatya	16	Gizîret Bili (Tûkh)	1	Labourer	3
Baghdad	9	Cairo... ..	1	Artisan	2
Hams	6	Alexandria	1	Student	1
Om Khashab	4	Abu Hammad	1	Shepherd	7
El Arîsh	3	Detained at Ismailia	13	Servant	1
Seda	2				
Asia Minor... ..	1				
TOTAL	256	TOTAL	256	TOTAL	256

Total Number of Passengers.	Number found.	Number detained.	Number not found.	REMARKS.
256	176	13	67	Percentage of Passengers found 73·82%

TABLE XLI.

SHIPS AND SAILORS ARRIVING AT DAMIETTA.

PORT OF ORIGIN.	1911.		1912.	
	SHIPS.	SAILORS.	SHIPS.	SAILORS.
Tantora	—	—	1	6
Sur	1	7	25	157
Syria	1	6	—	—
Nammur... ..	20	150	32	212
Adulga	75	551	39	286
Alaga	97	782	111	754
Jaffa	113	656	34	229
Sawaria	1	8	1	9
Ghenika	21	112	7	53
Ghaza	3	17	2	8
Haifa	4	22	6	34
Cyprus	31	197	41	198
Beyrout	1	6	4	22
Awa... ..	2	12	—	—
Tripoli	8	56	14	85
Lukmashi	3	24	—	—
Akka	8	64	7	37
Saida	4	16	1	5
El Arîsh... ..	3	18	—	—
El Dib	1	4	1	6
Abu Laboura... ..	2	8	7	38
El Khorm	1	7	2	10
Beiri	4	26	—	—
Samos	1	6	—	—
Nacora	—	—	3	21
Kaiseria	—	—	1	6
Naples	—	—	—	7
Selefka	—	—	12	91
TOTAL	405	2,805	351	2,274

TABLE XLII.

DAMIETTA.

MONTHLY NUMBER OF SHIPS AND SAILORS.

MONTH.	1911.		1912.	
	SHIPS.	SAILORS.	SHIPS.	SAILORS.
January	1	6	1	6
February	—	—	—	—
March	—	—	3	18
April	3	15	11	70
May... ..	12	82	36	241
June	46	355	56	399
July	71	470	63	418
August	105	694	56	346
September	77	529	76	436
October	52	378	49	320
November	36	263	—	—
December	2	13	—	—
TOTAL	405	2,805	351	2,274

Action has been taken against three who did not present themselves for examination according to the Arrêté of January 21, 1911.

PILGRIMS AND PILGRIMAGE.

Of the Egyptian pilgrims, 308 unaccounted for, either dead, or still in the Hedjaz ; 174 known to have died in the Hedjaz ; 14 died of cholera at Tor, and 82 died of other diseases at Tor.

The pilgrims passing on foot at the Canal crossing have dwindled down to 35. The Maghrabis prefer to go to Haifa instead of the Nekhl route.

Of the 13,334 pilgrims, 12,036 went straight from the ship to their villages, 114 were kept in Suez Hospital, 939 stayed in Suez from one to three days, and 245 broke their journey en route.

One cholera carrier (Farha Ali Kulaib) was found to be harbouring vibrios on arrival at Suez, and she was admitted to hospital on January 18, but it was not till April 6 that her stools were vibrio free.

The size of the Egyptian pilgrimage was above the average, which for the ten previous years (excluding the two years when the pilgrimage was stopped) was 11,137, as compared with 14,057 this year. The largest pilgrimage was in 1906 with 17,791, and the smallest in 1908, with 5,913. After an off year like 1911, the pilgrimage would have been bigger had it not been for the unstable political situation.

It seems impossible to forecast the size of a pilgrimage, but in the next few years pilgrims will have to be leaving before the cotton is sold and while they are still very busy in the fields, so this may have a moderating effect, especially on the wealthier classes ; but the total pilgrimage is such a small percentage of the whole population and sentimental causes seem to affect the numbers more than physical causes.

The Syrian Route.—The figures and tables attached show clearly the popularity of the Syrian route. Many Egyptians continue to go by it—almost the same number as in 1910—but the increasing number of foreigners who return by it is evident from the numbers that go out *via* the Canal and do not return by it, as the following figures show :—

TABLE XLIII.

	Foreigners passed through Canal and Egypt.	Foreigners returned <i>via</i> Canal.
In 1909	11,364	7,039
In 1910	22,914	8,004
In 1912	21,170	3,184

Thus it appears that in 1909 nearly two-thirds of the whole foreign pilgrimage had to be dealt with at Tor, and in 1912 only one-seventh.

On the whole it would seem that the Hedjaz railway diminishes the risk of importing infectious diseases into Egypt, as in spite of the drawbacks incidental to creating a new route that has to be watched, it has practically diverted the return stream of foreign pilgrims, and this frees Egypt from the risk of infected ships passing through the Canal or held up in Egyptian ports. But probably the greatest benefit is that the Tor staff is free to deal with the Egyptian pilgrims in the thorough way they did this year.

THE PILGRIMAGE OF 1912-1913.

RESUME OF STATISTICS : OUTWARD.

Egyptians from Suez with regular passports	...	...	...	...	...	...	...	...	...	11,155
" " " " irregular passports (Ekama)	...	...	...	...	...	...	...	...	...	151
" " Syria " regular passports, including the Mahmal...	...	...	...	...	...	...	...	...	...	2,436
" " Qosseir with regular and irregular passports	...	...	...	...	...	...	...	...	...	315
										14,057
Foreign pilgrims passed the Canal	...	...	...	...	...	...	...	...	...	16,900
" " embarked from Suez	...	...	...	...	...	...	...	...	...	4,270
TOTAL OF OUTWARD PILGRIMS										35,227

HOMEWARD (*via* Tor).

Egyptians with regular passports from those who left <i>via</i> Suez...	...	...	...	...	...	10,675
" " irregular " " " " <i>via</i> Suez (Ekama)	...	...	...	...	...	114
" " regular " " " " <i>via</i> Syria	...	...	...	...	...	1,435
" " irregular " " " " <i>via</i> Syria	...	...	...	...	...	273
" without passports from those who left <i>via</i> Syria	...	...	...	...	...	728
" with regular passports from those who left <i>via</i> Qosseir	...	...	...	...	...	10
" " irregular " " " " <i>via</i> Qosseir	...	...	...	...	...	82
" without passports from those who left <i>via</i> Qosseir	...	...	...	...	...	10
TOTAL						13,370
Foreign pilgrims arrived on three steamers (Jerusalem, Zaritsa and Aswân)...	...	...	...	...	...	3,186
Egyptians from Aswân Mudiriâ left <i>via</i> Suakin	...	...	...	...	...	43
TOTAL HOMEWARD						16,556

TABLE XLIV.

RETURN OF PILGRIMS.

DATE.				SHIP.	Total Pilgrims.	Not Traced.	Kept in Suez Hospital.	DEATHS.		
								Deaths in Hospital.	At Home.	Cause.
December	13	...	...	Dakahlia	533	—	—	—	—	—
"	15	...	...	Tantah	1,027	—	3	—	—	—
"	17	...	...	Dakahlia	842	—	3	1	—	Pneumonia.
"	18	...	...	Tantah	869	1	1	—	—	—
"	20	...	...	Minieh	1,499	5	10	1	1	Apoplexy.
"	26	...	...	Kenah...	743	11	22	—	—	—
January	3	...	...	Negileh	554	—	22	—	—	—
"	4	...	...	Kenah...	866	—	2	—	—	—
"	5	...	...	Dakahlia	1,020	1	2	—	1	Heart disease.
"		...	...	Negileh						
"		...	...	Messir...						
"	8	...	...	Minieh	1,478	1	13	—	—	—
"	10	...	...	Menzalah	885	—	5	1	1	Dysentery.
"	11	...	...	Kenah...	1,027	1	9	1	—	"
"	12	...	...	Dakahlia	1,018	—	6	1	—	Chronic diarrhoea.
"	18	...	...	Menzalah	970	—	13	1	—	Heart disease.
"	21	...	...	El Kabira	3	—	3	—	—	—
TOTAL					13,334	20	114	6	3	

TABLE XLV.

PILGRIMS ARRIVING VIA NEKHL AND EL ARISH.

DATE.					ROUTE.	PASSENGERS.	PILGRIMS.		TOTAL.
							Egyptian.	Foreign.	
1913.									
January	11	...	...	...	Nekhl, <i>via</i> Shatt ...	4 (Arabs) ...	—	—	4
„	22	...	...	...	Syria and Hedjaz, <i>via</i> Qantara... ..	1 (Egyptian) ...	—	1	2
February	6	...	...	...	Hedjaz, <i>via</i> Qantara	—	—	3	3
„	17	...	...	...	„ „	—	1	1	2
„	19	...	...	...	„ „	—	—	3	3
„	21	...	...	...	„ „	—	1	—	1
„	24	...	...	...	„ „	—	2	1	3
„	24	...	...	...	Tor, <i>via</i> Shatt... ..	5 (Egyptian fishermen) ...	—	—	5
March	5	...	...	...	Hedjaz, <i>via</i> Qantara	—	—	12	12
TOTAL						10	4	21	35

TABLE XLVI.

BREAKING OF JOURNEY ON RETURN.

SHIP.	Total Pilgrims.	Stayed at Suez 1 to 3 days.	Broke journey on route home.
Daqahlia	533	10	5
Tantah	1,027	206	41
Dakahlia	842	119	31
Tantah	890	176	5
Minieh	1,499	150	62
Keneh	743	130	20
Negileh	554	24	2
Keneh	860	32	—
Messir and Negileh	1,020	14	9
Minieh	1,474	15	1
Menzalah	885	32	21
Keneh	1,027	61	—
Daqahlia	1,018	24	40
Menzalah	969	26	8
El Kahira	248	34	—

BIRKAS.

Birkas on Government land were filled during the year by the Government Lands Department as shown in the table given below :—

TABLE XLVII.

MUDIRÎA.	DISTRICT.	VILLAGE.	No. of Birkas filled in.	AREA.		
				Feddân.	Qirat.	Sahm.
Beheira	Delingât	El Messein... ..	2	—	2	—
"	"	Zawyet Abou Shousha ...	5	—	3	4
"	"	El Yahoudia	2	—	4	12
"	"	Ababa el Hamra	2	—	4	16
"	Itiai el Barûd... ..	Demesna	1	—	2	—
"	Kôm Hamâda... ..	Aboul Khawy	3	—	4	2
"	Shubrakhît	Esmania	1	—	6	16
"	"	Farnawy	1	—	6	4
"	"	El Kafr el Gidid	1	—	4	—
TOTAL			18	1	13	6
Gharbîa	Talkha	Kafr el Ginnia	1	—	18	20
"	"	Mit el Egeil	1	—	10	—
"	"	"	1	—	3	4
"	"	"	1	—	4	—
"	"	Esto	1	1	—	—
"	Zifta	Sanabo el Kobra	1	—	1	—
"	Desûq	El Agouzîn	3	—	12	4
"	Tanta	Kiniset Damshît	1	—	13	8
TOTAL			10	3	14	12
Menufia	Menûf	Singirg	1	—	7	18
"	"	Belmesht	1	—	7	—
TOTAL			2	—	14	18
Daqahlîa	Mansûra	Gidila	1	—	5	12
"	"	Mit Mahmûd	1	—	9	20
"	Simbellawein... ..	El Makhzan	3	1	15	16
"	Faraskûr	El Zarqa	1	—	7	4
"	"	Mahallet Ingaq... ..	1	—	20	20
"	Mit Ghamr	Mit el Faramawy	1	—	6	8
"	Simbellawein... ..	Kafr Abou Sibry	1	2	6	4
TOTAL			9	5	23	12
Gîza	Saff	Ghammaze el Soghra ...	1	—	6	12
"	‘Ayât	Bamha	1	—	17	8
"	"	Bahbet	1	—	8	4
TOTAL			3	1	8	—
Beni Suef	Beba	Saft Rashin	2	—	13	12
Minia	El Fashn	El Konayessa	1	—	6	—
"	"	Saft el Orafa	1	—	3	15
"	Minia	El Bergaia	1	—	10	—
TOTAL			3	—	19	15
Assiût	Mallawi	Tûkh	1	—	9	16
GRAND TOTAL			48	14	20	19

SANITATION OF MOSQUES.

The following is a statement of work done in 1912 :—

Ablutionary systems of old mosques repaired and re-opened...	...	...	...	...	20
„ „ „ newly-constructed mosques opened	...	...	...	...	17
„ „ „ Waqfs Administration mosques repaired and re-opened	...	...	...	...	18

CEMETERIES.

The two following tables show the work done in connection with cemeteries during the year :—

TABLE XLVIII.

PLACE.	New cemeteries.	Cemeteries extended.	Roads for cemeteries.	Old cemeteries in use not previously registered in which inhumation has been authorised.	Old cemeteries partly condemned.	Old cemeteries wholly condemned.	Modified.
Beheira	1	—	—	6	—	1	—
Gharbîa	3	2	—	1	2	1	1
Daqahlîa... ..	2	—	1	7	1	1	—
Sharqîa	1	1	—	—	3	1	—
Menufîa	6	1	—	2	1	5	—
Qaliubîa	2	1	1	5	—	—	—
Fayûm	—	—	—	3	—	—	—
Beni Suef	1	—	—	—	—	—	—
Minia	—	—	—	2	—	—	—
Assiût	—	—	—	2	—	1	—
Girga	1	1	1	—	—	—	—
Aswân	1	—	—	2	—	—	—
Cairo	1	—	—	—	—	—	—
TOTAL	19	6	3	30	7	10	1

TABLE XLIX.

CEMETERIES DELIMITATED. *

MUDIRÎA.	MARKAZ.	Number of Cemeteries.	Number of Posts.	At whose expense.
Assiût	Manfalût	1	26	Government.
	Mallawi	1	10	Inhabitants.
	Badâri	1	4	"
Girga	Girga	1	7	"
Minia	El Fashn	3	36	Government.
	Samalût	1	4	Inhabitants.
	Abu Qurqâs	1	8	"
Fayûm	Etsa	2	29	Government.
Giza	'Ayât	1	8	"
Qaliubîa	Benha	2	8	Inhabitants.
	Nawa	1	4	"
	Qaliûb	2	12	"
	Tûkh	1	4	"
Sharqîa	Kafr Saqr	1	11	Government.
Daqahlîa	Aga	2	26	Inhabitants.
	Simbellowein	1	6	Government.
	Mit Ghamr	4	44	"
	Mansûra	2	13	"
	Mansûra	3	23	"
Gharbîa	Desûq	2	8	Inhabitants.
	Kafr el Zayât	1	4	Government.
	Kafr el Sheikh	2	8	"
	Talkha	1	4	Inhabitants.
	Zifta	1	8	Government.
	Zifta	2	25	Inhabitants.
Menufîa	Ashmûn	1	6	Government.
	Quesna	1	8	Inhabitants.
	Taia	1	4	"
Beheira	Delingât	1	7	Government.
	Shubrakhît	1	5	"
	Abu Hommos	3	13	"
	Kafr el Dawâr	1	17	"
	Ramleh	1	7	"
TOTAL		52	419	

* Where the inhabitants have paid the cost the cemetery has been established at their own request.

UNHEALTHY ESTABLISHMENTS.

The following table gives the applications received from the Ministry of Interior for the opinion of the Department regarding establishments of the first class in Cairo :—

TABLE L.

ESTABLISHMENT.	Approved.	Refused.	Under consideration.	TOTAL.
Fish market	1	—	1	2
Artificial butter factory	2	—	1	3
Sweetmeat factory	2	—	1	3
Butter factory	1	—	—	1
Hospitals	1	—	* 1	2
Food markets... ..	1	—	1	2
Petroleum refinery	1	—	—	1
Tannery	1	—	—	1
Soap factory	3	—	—	3
Knacker's yard	—	1	—	1
Aerated water factory... ..	3	2	—	5
Swimming bath	2	—	—	2
Laundry	—	—	1	1
Macaroni factory	—	—	1	1
Sugar and coffee mill	—	—	1	1
Gypsum mill	—	—	1	1
TOTAL	18	3	9	30

(*) Sanatorium at Helwân.

Applications (Cairo and Alexandria excepted) received through the Ministry of Interior and the Mudiriâ Health Offices for the opinion of the Department regarding first class establishments.

TABLE LI.

ESTABLISHMENT.	Approved.	Refused.	Under consideration.	TOTAL.
Plaster mill	2	1	1	4
" Homra " mill	—	1	—	1
Soap factory	2	1	1	4
Sweetmeat factory... ..	1	1	—	2
Butter factory	1	—	—	1
Oil press	2	1	—	3
Public swimming bath	2	—	—	2
Sugar factory... ..	2	—	5	7
Cotton ginning factory... ..	9	—	3	12
Rice mill... ..	4	—	2	6
Aerated water factory	11	2	3	16
Fish market	1	—	1	2
Coffee mill	1	—	1	2
Depotoir	—	1	—	1
Brick factory	1	—	—	1
Manure factory	1	—	—	1
Public and cattle markets (second class)	23	5	12	40
TOTAL	63	12	30	105

Projects of arrêtés received from the Ministry of Interior and Public Health Offices for the opinion of the Department.

TABLE LII.

ESTABLISHMENT.	Approved.	Refused.	Under consideration.	TOTAL.
<i>Alexandria :—</i>				
Grocer's shop and bar	17	21	—	38
Sale of domestic fowls	8	—	—	8
Pastrycook	1	—	—	1
Simple food articles	1	—	—	1
Sweetmeat factory	2	—	—	2
Stables	13	—	4	17
Bakeries... ..	3	—	—	3
Silk dyeshop... ..	1	—	—	1
Dyeshop... ..	3	—	—	3
Laundry... ..	2	—	—	2
Bath	1	—	—	1
Market	—	—	1	1
<i>Cairo :—</i>				
Macaroni factory... ..	1	—	—	1
Bakery	1	—	—	1
Stable	—	—	1	1
Zariba	1	—	—	1
<i>Other places :—</i>				
Dyeshop at Fayûm	2	—	—	2
Bakery at Fayûm	—	1	—	1
Incubator at Fayûm	1	—	—	1
Bakery at Port Said	1	—	—	1
„ at Suez	1	—	—	1
„ at Mansûra	2	—	—	2
TOTAL	62	22	6	90

Abattoirs.—Built 1, approved 3, refused 4, under consideration 2, total 10.

Slaughtering Sites.—Approved 6, filed 1, under consideration 5, total 12.

Depotoirs.—Built 2, refused 2, under consideration 1, total 5.

Ezbas.—Approved 2, refused 2, no action taken, 2, total 6.

LEGAL PROCESSES.

The following table shows the number and result of cases in which proceedings were taken by the Department in accordance with the provisions of the various legal enactments :—

TABLE LIII.

SANITARY CONTRAVENTIONS DRAWN UP BY PUBLIC HEALTH INSPECTORS AND VETERINARY SURGEONS.																								
MUDIRIA OR GOVERNORATE.		Against Births and Deaths Decree.	Against Vaccination Decree.	Illegal Practice of Medicine.	Pharmacies and Sale of Poisons Decree.	Against Cemeteries Decree.	Against Etablissements Insalubres Decree.	Against Vidange Regulations.	Against Excavation Regulations.	Against Enclosing Waste Land Regulations.	Against decisions of Sanitary Commissions.	Re protection of water supply.	Re epidemic and infectious diseases.	Against the Control of Passengers Arrêtè.	Others to the Arrêtè of May 11, 1895.	Against Return of Pilgrims Arrêtè.	Against Cholera and Plague Decree.	Against Epizootic Diseases.	General, dealt with according to Mixed and Penal Codes.	Total number reported.	Convictions obtained.	Acquittals.	Filed.	Under consideration.
Cairo	...	44	372	45	43	—	451	152	1	46	—	—	29	2	—	—	1	—	466	1,652	1,142	56	205	249
Port Said	...	—	3	1	1	—	—	91	—	3	—	—	1	3	—	—	—	—	15	118	101	2	1	14
Suez	...	7	36	—	—	—	34	2	—	2	—	—	—	—	—	—	—	—	9	90	80	—	5	5
Ismailia	...	11	8	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	30	24	4	1	1
Damietta	...	—	5	2	3	—	1	1	3	—	—	3	14	—	—	2	—	—	39	73	71	2	—	—
Qaliubia	...	32	40	6	3	1	120	11	6	—	1	9	85	21	—	61	1	2	83	399	323	5	38	33
Menufia	...	27	120	10	11	—	77	1	2	—	—	2	133	29	—	24	—	—	2	468	297	34	37	100
Gharbia	...	65	282	20	18	—	105	69	7	11	35	3	66	7	—	3	—	—	51	785	631	20	50	84
Daqahlia	...	52	252	11	16	—	86	45	—	—	32	—	109	41	8	2	—	—	8	633	507	48	30	48
Sharqia	...	45	158	4	12	—	30	—	—	—	—	—	25	12	—	13	—	—	7	333	256	9	33	35
Beheira	...	82	208	7	2	—	75	—	3	4	—	—	66	12	—	4	—	—	44	516	382	15	20	99
Giza	...	27	47	7	—	1	34	—	—	3	—	—	17	—	—	—	—	—	2	142	124	5	8	5
Beni Suef	...	22	27	1	1	—	1	—	4	—	69	—	20	—	—	—	1	—	14	140	131	7	1	1
Fayûm	...	35	109	5	—	—	3	—	1	—	85	4	6	—	—	1	13	3	9	288	241	6	5	36
Minia	...	89	213	—	1	—	72	1	7	19	79	—	71	2	145	2	14	37	75	771	690	9	18	54
Assiût	...	118	333	6	6	1	360	1	66	3	106	9	85	2	—	11	35	—	34	1,162	958	38	32	134
Girga	...	110	140	12	—	1	69	2	13	—	29	9	71	15	—	10	—	2	15	512	408	4	13	87
Qena	...	214	135	4	—	—	18	1	—	—	108	—	49	—	78	5	16	—	28	656	633	2	7	14
Aswân	...	25	32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	60	59	—	—	1
Total...	...	1,005	2,520	142	117	13	1,536	377	113	91	544	39	776	134	243	138	84	42	914	8,828	7,058	266	504	1,000

CAIRO PUBLIC HEALTH WORK.

TABLE LIV.

PASSENGERS ARRIVING FROM ALEXANDRIA DEALT WITH BY CAIRO INSPECTORATE.

	Total number of Passengers.	Number of Passengers visited.	Passengers arrived and left.	Passengers not found.
January	969	877	4	88
February	543	493	3	47
March	777	729	5	43
April	171	159	4	8
May	124	104	10	10
June... ..	270	251	7	12
July	282	252	12	18
August	341	311	19	11
September	1,224	1,124	33	67
October	1,128	972	34	122
November	666	581	21	64
December	416	358	17	41
TOTAL	6,911	6,211	169	531

TABLE LV.

PASSENGERS ARRIVING FROM SUEZ DEALT WITH BY CAIRO INSPECTORATE.

	Total number of Passengers.	Number of Passengers visited.	Passengers arrived and left.	Passengers not found.
January	122	87	9	26
February	240	191	4	45
March	159	89	9	61
April	64	36	1	27
May	87	65	5	17
June... ..	91	40	7	44
July	88	55	4	29
August	36	20	6	10
September	34	26	1	7
October	61	38	12	11
November	57	38	8	11
December	49	36	8	5
TOTAL	1,088	721	74	293

TABLE LVI.

PASSENGERS ARRIVING FROM PORT SAID DEALT WITH BY CAIRO INSPECTORATE.

	Total number of Passengers.	Number of Passengers visited.	Passengers arrived and left.	Passengers not found.
January	837	678	8	151
February	1,120	866	23	231
March	1,639	1,285	51	303
April	846	619	22	205
May	614	422	24	168
June... ..	455	349	20	86
July	565	452	22	91
August	933	766	35	132
September	474	447	10	17
October	1,131	1,030	48	113
November	1,036	828	66	142
December	647	505	36	106
TOTAL	10,357	8,247	365	1,745

TABLE LVII.

THE WORK OF THE DISINFECTING STATIONS (FOUM EL KHALIG AND ABBASSIA).

	No. of times the machines were charged.	No. of Rooms.	Articles disinfected.	No. of Cases.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Relapsing Fever.	Scarlet Fever.	Suspicious Fever.	Measles.	Erysipelas.	Smallpox.	Phthisis.	Suspicious Cases.	Plague.	Cholera.	Puerpal Fever.	Glanders.	Other infectious diseases.	REMARKS.						
																					Europeans. *	Egyptians. *	Doctors. *	Private Individuals. *	Private Hospital. *	Formalin.	
January	141	344	112,000	162	8 61	2 18	2 7	3	—	3 30	1	2 7	2 2	4 8	—	—	—	1	7	1	17	20	13	17	13	3	44
February... ..	146	238	82,800	159	2 43	3 15	6	—	1 3	5 43	3	1 8	1 1	3 4	1	—	—	5	3	2	24	14	7	6	3	12	23
March	164	323	70,705	209	4 34	3 17	2 7	—	1	5 53	2 16	1 19	3 3	5 10	—	1	—	6	4	8	30	34	12	25	11	10	40
April	309	563	218,400	265	2 32	1 23	1 19	—	1 1	6 57	5 28	2 18	5 5	10 13	24	3	—	4	—	3	30	36	14	21	20	9	39
May	228	416	160,100	276	8 46	2 26	5 17	1	1 17	6 47	7 43	2 17	2 16	7 10	2	2	—	4	4	5	24	43	8	16	24	11	51
June... ..	198	476	90,630	338	2 24	2 25	2 23	—	4 12	5 50	4 120	1 14	1 16	5 9	—	—	—	7	1	5	27	28	15	19	12	12	61
July	190	613	95,200	447	1 63	7 26	7 41	1	6 14	4 69	3 138	1 16	5 5	1 33	3	—	—	5	3	3	30	23	15	17	8	13	10
August	183	483	76,900	414	6 82	1 28	8 39	1	2 9	6 67	4 88	13 13	1 11	6 45	—	1	—	1	5	1	24	40	13	33	9	11	37
September	165	416	71,100	327	4 120	1 21	4 25	—	1 6	3 47	27	11	—	3 53	2	—	—	1	2	2	12	23	20	24	11	8	43
October	178	494	85,800	400	4 143	2 23	2 34	—	1 2	7 89	29	3	5 5	8 52	1	—	—	2	2	1	15	18	7	15	7	3	13
November	162	501	78,800	355	12 157	4 15	4 21	2	3 3	4 53	1 11	4	1 1	8 68	—	—	—	2	2	3	16	35	12	27	13	7	67
December	144	694	69,400	354	20 115	12 12	4 27	2	1 3	12 76	3 19	3	14	6 57	—	1	—	—	3	22	3	49	20	40	14	15	87
TOTAL ...	2,208	5,561	1,211,600	3,706	73 930	6 249	41 266	10	21 71	66 681	29 523	10 133	11 95	66 362	33	2	—	1	42	32	37 271	363	156	260	145	114	515

The superior figures indicate European cases.

* NOTE.—These are disinfections carried out for various reasons on the request of private individuals, doctors or private hospitals, mostly for diseases for which compulsory disinfection is not laid down in the law.

TABLE LVIII.
SHOWING DISINFECTIONS DONE AT FOUM EL KHALIG AND ABBASSIA ACCORDING TO QUARTER OF ORIGIN.

QUARTER.	No. of times the machines were charged.	No. of Rooms.	Articles Disinfected.	No. of Cases.	Diphtheria.	Typhus Fever.	Typhoid Fever.	Relapsing Fever.	Scarlet Fever.	Suspicious Fever.	Measles.	Erysipylus.	Smallpox.	Phthisis.	Suspicious Cases.	Plague.	Cholera.	Puerperal Fever.	Glanders.	Other Infectious Diseases.
Old Cairo	—	158	—	86	37	8	3	—	1	3	12	10	4	2	4	2	—	—	—	1
Saida Zenab	—	567	—	429	137	6	19	1	1	118	27	13	9	1	58	3	—	4	—	33
Abdîn	—	698	—	376	107	1	12	—	5	58	5	3	2	9	48	—	—	1	—	7
Bulâq I	—	427	—	345	2	71	5	1	1	35	101	6	6	1	26	—	—	—	—	4
Bulâq II	—	143	—	136	1	6	12	—	1	11	44	5	4	10	—	—	—	—	—	15
Darb el Ahmar	—	403	—	317	2	11	13	1	11	83	1	6	7	30	2	—	—	—	—	29
Khalifa	—	233	—	193	54	13	8	—	1	40	29	1	3	25	1	—	—	—	—	13
Gamalia	—	220	—	216	1	29	12	3	1	39	27	8	1	10	—	—	—	3	—	15
Bab el Sharîa	—	202	—	259	3	2	1	—	2	2	2	1	8	31	1	2	—	4	2	1
Mouski	—	132	—	112	2	4	4	1	2	3	9	1	3	1	2	—	—	2	—	9
Ezbekia	—	421	—	245	8	1	9	—	3	21	53	7	2	23	1	1	—	3	1	6
Shubra	—	521	—	259	9	15	3	1	3	16	4	1	2	6	11	2	—	—	—	3
Abbassia	—	244	—	190	2	1	3	—	1	25	1	2	3	49	—	2	—	1	1	1
Zeitoun	—	198	—	116	8	1	3	—	1	2	6	1	1	15	—	—	—	1	—	4
Helwân	—	152	—	81	4	1	1	—	1	1	1	2	—	4	2	—	—	—	—	2
Hospitals	—	652	—	202	35	27	2	2	—	125	23	36	13	—	10	1	—	5	—	13
Other Government Administrations	—	99	—	54	2	—	1	—	—	4	1	1	1	—	—	—	—	—	27	17
TOTAL	2,208	5,561	1,211,600	363	73	6	41	10	21	66	22	10	11	66	33	2	—	1	—	37
				3,706	930	249	266		71	681	523	133	95	362		8		42	32	271

The superior figures indicate European cases.

SCAVENGING AND WATERING SERVICE.

At the beginning of 1912 the area of roads, streets, etc., dealt with by this Service in Cairo and environs was 4,750,744 square metres. During the year 105,650 square metres were handed over by the Ministry of Public Works, making a total of 4,856,394 square metres.

A sum of L.E. 577 was received for work done against payment for various Departments and Societies.

At the end of the year the Service possessed 490 mules, 16 horses, and 20 donkeys, a total of 526 against 491 in 1911.

53 mules were bought (at an average price of L.E. 25-30), 10 destroyed, 5 died, and 2 sold. 1 donkey was bought, 1 died, and 1 was sold.

TABLE LIN.

AVERAGE DAILY AMOUNT OF STREET RUBBISH REMOVED BY THE SCAVENGING AND WATERING SERVICE IN 1912.

Number of Loads.

	Double Vans.	Single Dust Carts.	Donkey Carts.
El Matarîa	—	27	16
Husseiniâ	27	84	—
Shanawâni	—	48	3
Shubra	—	20	—
Gîza	26	16	—
Madbah	51	55	5
Embâba	6	40	—
Baths	—	168	—
TOTAL	110	458	24

Double vans 110 or 220 single loads.

Single dust carts 458 „ „

Donkey carts 24 „ „

Total loads 702 × 1/3 ton = 234 tons per diem.

Tons 234 × 365 days = 85,410 tons per annum.

Daily average quantity of rubbish consumed by the Destructor, 30 tons.

FORAGE.

The contract prices for forage in 1912 were as follows :—

Barley	L.E. 0·877	mills. per ardeb	of 112½ kilos.	delivered	Bulaq stables.
Bran	5·115	„ „ ton	1,015	„ „ „	„
Tibn... ..	2·645	„ „ „	1,000	„ „ „	„
Straw bedding ...	1·139	„ „ „	1,000	„ „	Abbassia siding.
Bersîm	0·039	„ „ kantar	100	rotls	Bulaq stables.

As compared with 1911 prices, the above show an increase on barley and tibn and a decrease on bran, straw, and bersîm.

PROVINCIAL COUNCILS.

TABLE LXI.

PROVINCIAL COUNCILS SANITARY PROGRAMME.

List showing extent of its acceptance by the Provincial Councils to the end of 1912.

MUDIRÎA.	(1) First Aid Barbers.	(2) First Aid Chests.	(3) Dayas.	(4) Infants' Dispensaries.	(5) Village Shelters.	(6) Filling of Birkas.	(7) Water Supply.	(8) Travelling Ophthalmic Hospitals.
Beheira	Accepted.	Accepted.	Accepted.	Accepted.	—	—	—	—
Gharbia... ..	„	„	„	—	—	—	(a)	Accepted.
Menufia	„	„	—	Accepted.	Accepted.	—	—	—
Daqahlia	„	Refused.	—	„	„	—	Accepted.	Accepted.
Sharqia	„	Accepted.	—	„	„	—	—	—
Qaliubia	„	„	—	(a)	(a)	—	Refused.	—
Giza	„	„	—	Accepted.	—	—	(a)	—
Beni Suef	„	„	—	(a)	Accepted.	—	Refused.	—
Fayûm	„	„	—	Accepted.	„	—	„	—
Minia	„	„	—	—	„	—	—	—
Assiût	„	„	—	Accepted.	„	—	Refused.	Accepted.
Girga	„	„	—	(a)	—	—	—	—
Qena	„	„	—	Refused.	(a)	—	(a)	—
Aswân	„	„	—	„	Refused.	—	Refused.	—

(a) Postponed.

Children's Dispensaries were established and opened at Menûf, Mansûra, Zagazig, and Fayûm.

RESEARCH WORK.

In connection with plague investigations, the identification of rats as to species and the fleas carried by them was continued in 1912. A total of 1907 rats was examined, the topographical distribution being as follows :—

From Belbeis	...	...	...	...	...	...	...	...	...	...	216
„ Embâba	...	...	...	...	...	...	...	...	...	...	194
„ Giza	...	...	...	...	...	...	...	...	...	...	390
„ Helwân	...	...	...	...	...	...	...	...	...	...	445
„ Cairo	...	...	...	...	...	...	...	...	...	...	662
											<u>1,907</u>

ANTI-SCORPION SERUM.

This serum continues to give excellent results, as is shown by the following summary of the reports received up to the end of the year :—

TABLE LXII.

STATISTICS OF CASES TREATED WITH ANTI-SCORPION SERUM.

AGE.				Number of cases.	Lived.	Died.	Death rate per cent
From 0 — 5 years	..	...	...	23	19	4	17
„ 6 — 10 „	...	...	...	14	13	1	7
„ 11 — 15 „	...	...	...	2	2	—	—
„ 16 — 20 „	...	...	...	12	11	1	8
„ over 20 „	...	...	...	44	44	—	—
				95	89	6	6·3

The details of the six fatal cases are as follows :—

(1) Woman aged 20 years (Sudan)	10 cc. serum 2 hours after sting.	Condition hopeless (cold, collapsed, semi-conscious, pulse very weak, respiration irregular).
(2) Child aged one year and a half	10 cc. 4½ hours after sting.	Condition hopeless and site of sting unknown.
(3) Boy, 5 years old	Injected 1 hour after sting.	Condition hopeless (unconscious with continuous vomiting and diarrhoea).
(4) Child, 14 months old	Injected half an hour after sting.	Condition desperate (cold, groaning feebly, vomiting, bowels moved, corneal reflex faint).
(5) Girl, 4 years old	Injected 2 hours after sting.	Condition dangerous.
(6) Girl, 7 years old	Injected 2 hours after sting.	Patient was ill before the sting.

SERUM LABORATORY.

The accompanying table gives the amounts of cattle plague serum which after centrifuging and bottling were added to stock each month, as well as the monthly issues.

It will be seen that the amount of serum in stock at the end of the year is 210,253·5 doses ; the amount of serum in stock at the end of 1911 being 223,724 doses. However, owing to the increase of the number of serum-producing animals the average monthly amount of serum added to stock during the first half of the year, *viz.* 6,605·7 doses, was increased to an average of 12,469 doses per month for the last six months.

TABLE LXIII.

	Doses.		Doses.
Serum in stock at the end of 1911 ...	223,724	Issued in January 1912	5,058
Added to stock in January 1912 ...	6,050	„ February „	12,316·5
„ „ February „ ...	5,760	„ March „	11,299·5
„ „ March „ ...	6,242·4	„ April „	59,701·5
„ „ April „ ...	6,003	„ May „	11,524·5
„ „ May „ ...	7,452	„ June „	5,976
„ „ June „ ...	8,127	„ July „	6,700·5
„ „ July „ ...	8,550	„ August „	1,314
„ „ August „ ...	11,808	„ September „	5,472
„ „ September „ ...	12,051	Loss on recentrifuging	
„ „ October „ ...	15,210	old serum	3,150
„ „ November „ ...	12,978	„ October 1912	6,295·5
„ „ December „ ...	14,058	„ November „	6,754·5
Returned to Stores	160	„ December „	6,025·5
	338,173·4		141,588
Serum in stock (according to books) at the end of 1912 : 338,173·4 — 141,588 = 196,585·4			
Actual stock of serum at the end of 1912 (stock-taking on 31st December) ... = 210,253·5			
Difference = 13,668·1			

This difference of 13,668·1 doses between the stock according to books and the actual amount of serum is due to varying amounts of serum returned from the provinces and added to stock, as well as to the fact that the bottles are not of uniform size.

VACCINE INSTITUTE.

The quantity of vaccine lymph collected during 1912 amounted to 684,210 units, as compared with 1,004,000 units during 1911. There remained 162,000 units from 1911.

The issues during the year were as follows :—

GRATIS :												Units.
To Health Inspectors in Cairo District and Provinces												349,485
To Waqfs Administration and Charitable Institutions... ..												15,040
ON PAYMENT :												
To Egyptian Army												4,950
To Sudan Government												91,250
To Army of Occupation												2,280
To Ministry of Education												12,265
To Alexandria Municipality												91,100
To Prisons Department												520
To Dispensaries and Medical Practitioners												9,320
Total issued...												576,210
Remaining in stock on January 1, 1913												108,000
Total												684,210

The receipts from sale of vaccine amounted to L.E. 441·715 Mills.

The results obtained from the use of the lymph continue to be satisfactory ; according to reports of Public Health Inspectors, successful results have been obtained in 96·5 per cent of the primary vaccinations and in 80·8 per cent of the re-vaccinations.

ANTIRABIC INSTITUTE.

During 1912, 899 persons were treated, of which, 126 were bitten by animals subsequently found to be healthy and three voluntarily ceased treatment. The net total is therefore 770 cases (against 560 in 1911), and comprised 539 natives, 88 Europeans resident in Egypt, and 143 patients from Palestine and Syria.

The monthly incidence of cases was : January 45, February 69, March 60, April 80, May 56, June 87, July 64, August 105, September 43, October 56, November 47, and December 58.

The topographical origin of the cases was as follows :—

Cairo...	72
Alexandria	22
Canal Governorate (Port Said and Ismaïliâ)	26
Beheira	53
Sharqîa	57
Qaliubîa	51
Daqahlia	61
Gharbîa	84
Menufia	82
Fayûm	11
Beni Suef...	9
Giza	26
Minia	24
Assiût	31
Girga	7
Qena	9
Aswân	2
Syria and Palestine	136
Abyssinia...	7

The bites were inflicted by : dogs 689, cats 37, donkeys 6, wolves 23, jackals 2, persons infected or supposed to be infected, 12. There was one case of infection whilst treating a patient.

There were 93 bites on the head, 354 on uncovered parts, and 323 through clothing.

Of the 770 cases, 57 were bitten by animals affirmed by competent authorities to be infected with rabies. In 25 cases, clinical reports of the infection of the animal were convincing. In 44 other cases the death of the victim implied a positive diagnosis.

There were four deaths after completion of treatment, and eleven deaths during or less than fifteen days after its termination.

TABLE LXIV.

DETAILS OF THE FOUR FATAL CASES AFTER COMPLETION OF TREATMENT.

Name.	Residence.	Date bitten.	Position of Bites.	Number and Gravity of Bites.	Animal.	Period of Treatment.	Date of death.	Place of death.
Hasiba bint Ali ...	Damanhur town.	18 April.	Nose. Right cheek. Chin.	Numerous. Serious.	Wolf.	19 April 1912 to 9 May 1912.	31 May.	Ezbet Gammaak, Damanhûr.
Hassan Abdalla ...	Margas, Shubrakhit.	18 June.	Upper lip.	One. Serious.	Dog.	20 June 1912 to 10 July 1912.	16 Aug.	Margas village, Shubrakhît.
Bedawi el Sanadiri	Tag el Agem, Zifta.	15 Oct.	Left eyelid. Left cheek.	Two. Slight.	Wolf.	17 Oct. 1912 to 5 Nov. 1912.	27 Nov.	Tag el Agem village.
Shafi Khalifa ...	El Koumi, Sennûres.	6 Nov.	Left leg.	Three serious. One slight.	Dog.	14 Nov. 1912 to 1 Dec. 1912.	27 Dec.	Ezbet Mah- moud Pasha, El Koumi village.

SERUM INSTITUTE.

The total number of cattle in stock on the first of each month was as follows :—

TABLE LXV.

	Baladi.		Cyprus.
	Division 1.	Division 2.	
January	101	8	19
February	104	2	27
March	105	—	21
April	102	3	17
May	101	3	26
June	99	24	18
July	98	66	25
August... ..	128	52	85
September	161	42	37
October	190	60	33
November	223	102	31
December	248	93	54

Total number of *Baladi* purchased during the year was 309.

The cattle in division 1 are serum-producing.

The cattle in division 2 are being hyper-immunised.

Of the *Baladi* cattle 35 died, the causes of death being :—

Texas fever	23
Cattle plague	7 (6 arrived sick).
Toxæmia	2
Puerpura	1
Pleurisy	1
Internal hæmorrhage from liver	1

Of the Cyprus cattle 24 died, the causes of death being :—

Cattle plague	12 (11 serum tests).
Egyptian fever	7
Texas fever	4

During the year 16 *Baladi* bulls found unsuitable for further hyper-immunisation were bled to death for serum and their carcasses sold.

44 Cyprus cattle found unsuitable for the production of virulent blood were sold.

The number of reinforcements and the number of Cyprus cattle bled to death for virulent blood were as follows :—

TABLE LXVI.

	Reinforced.	Bled to death.
January... ..	61	18
February	56	20
March	55	16
April	55	16
May	64	18
June	77	16
July	146	19
August	139	27
September	171	43
October	208	53
November	178	46
December	263	77
Total... ..	1,473	369

In addition to the virulent blood obtained from the Cyprus cattle belonging to the Institute, 994 litres were purchased from the Cattle Plague Commission at cost price.

During the year, 56 $\frac{3}{4}$ litres of virulent blood were sent to the Department for double inoculation in the provinces.

The number of bleedings and amount of serum sent to the Department were as follows :—

TABLE LXVII.

	Bled for Serum.	Number of litres of Serum.
January... ..	220	353·500
February	189	310·000
March	205	352·200
April	205	365·000
May	187	388·600
June	204	478·850
July	243	496·700
August	325	692·850
September	351	653·700
October	466	847·100
November	475	722·200
December	558	794·100
Total... ..	3,628	6,454·800

Testing of serum has been done regularly on both *Baladi* and Cyprus cattle. Rinderpest serums from India and Erythria have also been tested.

HEALTH OF CATTLE.

The general health of the *Baladi* cattle has been satisfactory, with the exception of a large number of cases, including sixteen deaths, of Texas fever amongst new purchases during November.

Foot-and-mouth disease was detected among some new *Baladi* purchases in July at the Agricultural Show grounds where these cattle were being quarantined prior to bringing them to the Institute. Every care was taken to prevent infection of cattle at the Institute with good results.

The health of the imported Cyprus cattle has been very unsatisfactory, a large proportion arriving affected with chronic Texas fever. When these animals are inoculated for virulent blood their immunity to Texas is broken down and their blood is dangerous for reinforcing purposes, especially for new cattle.

Blood films from all Cyprus cattle are examined at the Hygienic Institute. Blood showing a rich infection of the parasite is rejected, and that showing a slight infection is used for old cattle.

BUILDINGS.

A new serum house has been constructed to meet larger requirements. Necessary repairs have been carried out on all stables, offices and stores.

PART IV.

VETERINARY SECTION.

CONTAGIOUS DISEASES OF ANIMALS (GENERAL).

Rabies.

During the year, 49 cases were reported as occurring amongst animals (40 dogs, 2 cats, 1 donkey, and 6 wolves), compared with 44 in 1911. The cases were reported in the following Governorates and Mudirias :—

TABLE LXVIII.

	1912.	1911.
Cairo Governorate	8	19
Alexandria Governorate	8	4
Canal Governorate	1	—
Qena Mudiriâ	1	—
Girga „	1	1
Assiût „	2	—
Minia „	2	2
Fayûm „	1	—
Giza „	1	2
Qaliubia „	2	4
Sharqia „	4	—
Gharbia „	7	4
Daqahlia „	5	2
Menufia „	1	5
Beheira „	5	1
Total... ..	49	44

6,027 dogs were seized in Cairo by the Police and taken to the Dogs' Home, Bulaq, against 4,307 during 1911. Of this latter number, 50 remained in the Home, and with those seized during the year, make a total of 6,077, which have been disposed of as follows :—

Claimed by owners	654
Destroyed unclaimed	5,266
Sold... ..	47
Died... ..	28
Remaining on December 31	82
Total	6,077

The following animals, having bitten persons, were placed under observation in Cairo : dogs 138, cats 6, horses 13, mules 1, donkeys 7, monkeys and apes 6, camels 4.

In addition to the animals sent to the Dogs' Home, the Police destroyed 2,434 dogs and 697 cats in Cairo and suburbs during the year, compared with 3,275 dogs and 329 cats in the previous year.

The report of Alexandria Municipality states that 3,587 dogs and cats were seized in Alexandria, against 4,248 in 1911. They have been disposed of as follows :—

Claimed by owners	300
Destroyed	3,233
Died... ..	54
Total	3,587

In the Mudirias and Governorates 45,484 dogs were poisoned and 50 cats shot; the number (dogs) in 1911 was 44,455.

GLANDERS.

59 cases of glanders were detected; in 1911, 81 cases (including one in Alexandria Quarantine Station).

The cases occurring in 1912 were distributed as follows :—

Cairo Governorate	...	...	...	...	...	...	13
Alexandria Governorate	...	...	...	...	...	...	36
Canal Governorate	...	...	...	...	...	...	7
Gharbîa Mudiriâ	...	...	...	...	...	...	2
Menufia	„	...	...	...	...	...	1
Total...							59

EPIZOOTIC LYMPHANGITIS.

As in 1911, 28 cases of this disease were reported in 1912, as follows :—

	Destroyed.	Recovered.	Remaining under observation.	Total.
Cairo Governorate	7	1	—	8
Port Said town	—	3	1	4
Gharbîa Mudiriâ	11	—	2	13
Daqahlia	1	1	—	2
Menufia	1	—	—	1
Total...	20	5	3	28

ANTHRAX.

405 cases were reported, distributed as follows :—

	Sheep.	Cattle.	Total.
Alexandria Quarantine Pens	383	1	384
Port Said	4	—	4
Cairo Abattoir	4	1	5
Alexandria Abattoir	11	—	11
Alexandria City	1	—	1
Total...	403	2	405

During 1911, 241 cases were reported : 198 in the Quarantine Pens, 40 in Alexandria Abattoir, 2 in Cairo Abattoir, and 1 in Alexandria town.

SHEEP-POX.

61 cases were reported, distributed as follows :—

Alexandria Quarantine Pens	...	...	...	...	34
Sharqîa Mudiriâ	...	...	...	...	27
Total					61

No cases were reported in 1911.

FOOT-AND-MOUTH DISEASE.

103 cases were reported as follows :—

Cairo Governorate	...	...	...	...	...	...	...	...	...	...	...	5
Aswân Mudirîa	...	...	...	...	...	...	...	...	...	...	...	1
Qena	„	...	...	...	...	...	...	...	...	...	...	15
Girga	„	...	...	...	...	...	...	...	...	...	...	78
Assiût	„	...	...	...	...	...	...	...	...	...	...	2
Gharbîa	„	...	...	...	...	...	...	...	...	...	...	2
TOTAL												103

During 1911, 947 cases were reported from the interior of the country and 107 cases were detected in Alexandria Quarantine Pens amongst imported animals.

SEPTICAEMIA HAEMORRHAGICA.

14 cases were reported in the following Mudirîas :—

Aswân Mudirîa	...	...	...	...	...	...	...	...	...	...	...	1
Minia	„	...	...	...	...	...	...	...	...	...	...	1
Gharbîa	„	...	...	...	...	...	...	...	...	...	...	3
Beheira	„	...	...	...	...	...	...	...	...	...	...	6
Menufîa	„	...	...	...	...	...	...	...	...	...	...	3
TOTAL												14

During 1911, 21 cases were reported.

MANGE.

150 cases of mange were reported as follows :—

Cairo Governorate	...	...	...	...	...	...	...	...	...	113 *
Alexandria Governorate	...	...	...	...	...	...	...	...	...	1
Canal Governorate	...	...	...	...	...	...	...	...	...	1
Gîza Mudirîa	...	...	...	...	...	...	...	...	...	5 *
Qaliubîa Mudirîa	...	...	...	...	...	...	...	...	...	1 *
Menufîa	„	...	...	...	...	...	...	...	...	2
Sharqîa	„	...	...	...	...	...	...	...	...	1
Beheira	„	...	...	...	...	...	...	...	...	26 sheep.
TOTAL										150

During 1911, 84 cases were reported.

STRANGLES.

One case (donkey) was reported from Gharbîa Mudirîa.

* Of these, 107 were treated at the Animals' Isolation Hospital at Abbassia.

FOWL TYPHUS AND CHOLERA.

20 cases only were reported. This disease is always concealed.

TRYPANOSOMIASIS.

8 cases were detected : 6 camels and 1 bull in Cairo, and 1 camel in Beheira Mudirîa, as against 13 cases in 1911.

TRYPANOSOMIASIS WITH FILARIASIS.

1 case was detected in a camel. There were 10 cases in the previous year.

FILARIASIS.

1 case (camel) was detected against 4 in 1911.

COCCIDIOSIS.

10 cases were detected : 8 cattle in Cairo abattoir and 2 cattle in Port Said town were attacked.

During 1911, one case only was detected.

STIFF SICKNESS.

20 cases were reported : 18 from Menufia and 2 from Qaliubîa Mudirîa. No cases were reported during the previous year.

ANAPLASMOSIS.

One case was detected in a Sudanese bull in Cairo Abattoir.

PIROPLASMOSIS.

One case in sheep was reported during the year.

MALTA FEVER.

28 cases were reported from Port Said town. No cases were reported in 1911.

CATTLE PLAGUE.

During the year, 5,445 deaths from cattle plague were reported in the following Governorates and Mudiriâs :—

TABLE LXIX.

Cairo Governorate...	...	...	...	...	...	...	...	...	...	...	...	30*
Alexandria „	...	...	...	...	...	...	...	...	...	...	...	24
Canal „	...	...	...	...	...	...	...	...	...	...	...	16
Aswân Mudiriâ	...	...	...	...	...	...	...	...	...	...	...	315
Qena „	...	...	...	...	...	...	...	...	...	...	...	320
Girga „	...	...	...	...	...	...	...	...	...	...	...	502
Assiût „	...	...	...	...	...	...	...	...	...	...	...	881
Minia „	...	...	...	...	...	...	...	...	...	...	...	380
Beni Suef „	...	...	...	...	...	...	...	...	...	...	...	123
Fayûm „	...	...	...	...	...	...	...	...	...	...	...	88
Gîza „	...	...	...	...	...	...	...	...	...	...	...	168
Qaliubîa „	...	...	...	...	...	...	...	...	...	...	...	79
Sharqîa „	...	...	...	...	...	...	...	...	...	...	...	411
Gharbîa „	...	...	...	...	...	...	...	...	...	...	...	487
Menufia „	...	...	...	...	...	...	...	...	...	...	...	521
Beheira „	...	...	...	...	...	...	...	...	...	...	...	581
Daqahlia „	...	...	...	...	...	...	...	...	...	...	...	519
TOTAL												<u>5,445</u>

This brings the total number of registered deaths reported in Egypt since the appearance of the disease in June 1903, to 172,526.

The death-rate from the disease in the country during 1912 was about 0·42 per cent, against about 0·11 per cent in 1911.

93,249 cattle were serumised in the infected districts during the year.

Besides the cases that occurred in the interior of the country, one case (an imported animal from Syria), was detected in Alexandria abattoir.

During 1911, 1,447 deaths were reported in the interior of the country, 32 cases in Alexandria Quarantine Pens and 2 in Alexandria abattoir.

Serum.—114,289 units were prepared during the year and 141,588 units were issued. The actual stock of serum on January 1, 1913, amounted to 210,253 units of 50 cubic centimetres.

CATTLE PLAGUE IN THE SUDAN.

Cattle plague was reported from the following districts in the Sudan during the year :—

- Blue Nile Province.
- Kassala Province.
- Sennaar Province.
- Kordofan Province.
- Dongola Province.
- White Nile Province.
- Mongalla Province.
- Berber Province.
- Bahr el Ghazal Province.

* Of these, 22 cases occurred amongst cattle imported from the Sudan.

SUDAN TRADE.

The following numbers of cattle and sheep were received from the Sudan, principally *viâ* Halfa, which, compared with those of 1911, show an increase of 4,453 animals :—

TABLE LXX.

	1912.	1911.	Difference.
Cattle	15,190	21,573	— 6,383
Sheep and goats	109,586	98,861	+ 10,725
Camels	—	111	— 111
TOTAL	124,776	120,545	+ 10,836 — 6,383
Net difference, increase			+ 4,453

SKINS FROM THE SUDAN.

919 hides and 23,607 sheep- and goat-skins were imported from the Sudan *viâ* Halfa, and 347 bales of hides and 809 bales of skins *viâ* Suez for transhipment to foreign countries.

IMPORTATION OF ANIMALS AND MEAT.

Besides the animals imported from the Sudan, the following numbers of animals were imported into Egypt during the year as compared with those of 1911 :—

TABLE LXXI.

	1912	1911.	Difference.
Cattle and buffaloes... ..	37,068	31,042	+ 6,026
Horses, mules and donkeys	2,696	2,703	— 7
Sheep and goats	284,101	312,373	— 28,272
Pigs, etc.	1,137	1,672	— 535
Camels	48,982	46,508	+ 2,474
TOTAL	373,984	394,298	— 28,814 + 8,500
Net difference, decrease			20,314

This brings the total number of imports during the year 1912 to 498,760, against 514,843, showing a net decrease of 15,861.

FROZEN MEAT.

The importation of frozen meat continues by the two under-mentioned British firms. During 1912, the following quantities arrived, which, compared with those of the previous year, show a satisfactory increase :—

TABLE LXXII.

NILE COLD STORAGE COMPANY.

	1912.	1911.	Difference.
	lbs.	lbs.	lbs.
Beef	826,201	618,494	+ 207,707
Mutton... ..	144,343	170,519	— 26,176
Lamb	143,391	148,506	— 5,115
Veal	80,119	25,724	— 54,395
Pork	22,265	10,215	+ 12,050
TOTAL	1,216,319	973,458	+ 242,861

TABLE LXXIII.

MESSRS. WILLS AND COMPANY.

	1912.	1911.	Difference.
Quarters beef	9,152	8,316	+ 836
Sheep carcasses	6,768	4,796	+1,972
Lamb „	450	1,100	— 650
Veal „	245	193	— 52
Pork „	347	270	+ 77
Sundries (boxes)... ..	462	452	+ 10

ABATTOIRS.

No new abattoirs were opened during the year 1912.

There are at present 104 towns provided with public abattoirs, as follows:—

Abattoirs worked by Government	14
„ „ by Municipalities and Local Commissions ...	40
„ „ by Markets Company... ..	50
	104

The total revenue of the 13 Government abattoirs (apart from Cairo) during 1912 amounted to L.E. 2,707·750 Mills.

ANIMALS SLAUGHTERED.

684,133 animals were slaughtered in the twenty principal abattoirs, against 739,285 in 1911 and 771,477 in 1910.

The following is a comparative statement of the different species of animals :—

TABLE LXXIV.

	1912.	1911.	Difference.
Large cattle and buffaloes ...	63,054	60,916	+ 2,138
Young cattle and buffaloes ...	81,302	97,801	—16,499
Sheep and goats	526,281	567,321	—41,040
Pigs	7,688	7,180	+ 508
Camels... ..	5,808	6,067	— 259
Total	684,133	739,285	—57,798 + 2,646
Net difference, decrease			55,152

CAIRO ABATTOIR.

The total number of animals slaughtered during 1912 was 319,157, of which 1,106 were for the Army of Occupation.

The number of Sudanese cattle slaughtered was 13,589, as against 21,041 in 1911, showing a decrease of 7,452.

The following table shows the number and kind of animals killed, compared with those of 1911 :—

TABLE LXXV.

YEAR.	Bulls.	Cows.	Buffaloes.	Camels.	Young Animals. (Cattle and Buffaloes.)	Sheep.*	Goats.	Pigs.	TOTAL.
1912	9,878	2,087	6,932	2,856	31,437	264,407	335	1,212	319,144
1911	10,329	1,548	7,286	2,695	36,680	275,438	324	1,568	335,868
Increase ...	—	539	—	161	—	—	11	—	711
Decrease ...	451	—	354	—	5,243	11,031	—	356	17,435
Net difference, decrease... ..									16,724

Compared with those of 1911 the figures of 1912 show a decrease in the number of bulls, buffaloes, young animals, sheep, and pigs killed and an increase in the other classes.

The decrease in the number of pigs can most certainly be attributed to contraband slaughter.

TABLE LXXVI.

ANIMALS FOUND DEAD OR DIED IN ABATTOIR.

Bulls.				Cows.		Buffalo Calves.	Sheep.			
Fevers.	Ordinary.	Bilharzia.	Cattle Plague.	Cattle Plague.	Ordinary.	Ordinary.	Jaundice.	Ordinary.	Fever.	Enteritis.
1	4	1	2	2	1	1	1	41	3	1
Total 8				Total 3		Total 1	Total 46			
Grand Total... .. 58										

The number of cases of contagious bovine pleuro-pneumonia among Sudan cattle during the year was 46.

MEAT CONDEMNED AS UNFIT FOR FOOD.

The number of whole, half, and quarter carcasses seized as being unfit for food are tabulated as follows :—

TABLE LXXVII.

	CATTLE.			BUFFALOES.			CAMELS.			SHEEP.			PIGS.		
	Whole.	Half.	Quarter.	Whole.	Half.	Quarter.	Whole.	Half.	Quarter.	Whole.	Half.	Quarter.	Whole.	Half.	Quarter.
Tuberculosis	7	28	21	4	12	3	3	5	4	—	—	—	2	—	—
Cyst. Bovis	64	21	1	—	—	1	—	—	—	—	—	—	—	—	—
Cyst. Cellulosæ	—	—	—	—	—	—	—	—	—	—	—	—	14	1	—
Emaciation	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Bruised meat... ..	1	5	12½	—	—	3	—	—	—	2	2	3	—	—	—
Jaundiced meat	2	—	—	1	—	—	—	—	—	2	—	—	—	—	—
Cattle plague... ..	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Anthrax	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fever flesh	2	1	—	1	—	—	1	—	—	1	—	—	—	—	—
Total... ..	97	55	34½	6	12	7	4	5	4	6	2	3	16	1	—

In addition to these, 2 cattle carcasses were seized for bilharzia, and 1 buffalo and 1 camel for pyaemia.

ORGANS CONFISCATED.

The number of organs seized and the causes of their destruction are shown in the following table :—

TABLE LXXVIII.

	LIVERS.				LUNGS.					HEADS.		HEARTS.	
	Tuberculosis.	Distomatosis.	Echinococi.	Cirrhosis.	Tuberculosis.	Filariasis.	P.M. Discoloration.	Pneumonia.	Echinococi.	Tuberculosis.	Cysticerci.	Cysticerci.	Inflammation.
Cattle	4	1,564	25	—	747	—	68	—	76	2	88	339	52
Buffaloes	2	1,672	—	—	78	—	8	—	26	2	—	—	8
Sheep	—	19,438	7,984	—	—	17,444	7,960	—	—	—	—	—	—
Camels	—	—	79	—	9	—	—	3	732	—	—	—	—
Pigs	—	—	6	—	12	—	—	4	6	9	—	1	—
Total... ..	6	22,674	8,094	—	846	17,444	8,036	7	840	13	88	340	60

INCOME OF CAIRO ABATTOIR.

This is derived from the following sources :—

- (1) Dues collected for slaughtering animals.
- (2) „ „ „ use of quarantine parks.
- (3) „ „ „ use of sheep markets and tripe shops.
- (4) Miscellaneous.

TABLE LXXIX.

	1911.		1912.		DIFFERENCE.	
	L.E.	Mills.	L.E.	Mills.	L.E.	Mills.
Slaughtering dues	26,344	415	24,899	30	— 1,445	385
Stabling „	1,093	635	1,080	364	— 13	271
Sheep market „	1,142	417	1,120	995	— 21	422
Rent of tripe shops... ..	265	500	270	—	+ 4	500
Miscellaneous	89	100	95	980	+ 6	880
TOTAL	28,935	067	27,466	369	— 1,480	078
					+ 11	380
Net difference, decrease					1,468	698

CENSUS OF CATTLE AND BUFFALOES.

The following is a comparative table of the census of cattle obtained since 1903 :—

TABLE LXXX.

Year. August-September.					Cattle.	Buffaloes.
1903	...	...	...	...	959,669	718,023
1904	...	...	...	...	605,022	645,796
1905	...	...	...	...	655,156	708,233
1906	...	...	...	...	732,537	775,149
1907	...	...	...	...	778,896	761,486
1908	...	...	...	...	737,732	750,548
1909	...	...	...	...	725,116	728,284
1910	...	...	...	...	672,091	675,392
1911	...	...	...	...	656,166	657,406
1912	...	...	...	...	619,540	652,186

This shows a decrease of 36,626 cattle and 5,220 buffaloes in the census of 1912, a compared with that of 1911.

SCHOOL OF VETERINARY MEDICINE.

On January 1, 1912, there were 49 students in the school, and one cadet and 13 candidates were admitted in October. At the professional examinations held in May and December, 4 candidates passed and obtained diplomas. 1 student of the first year resigned, and 2 students of the first and third years were discharged.

There are at present in the school:—

10 students in the fourth year.

18 students in the third year.

12 students in the second year.

16 students in the first year.

Of these the following are Egyptian Army cadets: 3 in the fourth year; 1 in the third year; 1 in the second year; 2 in the first year.

The total number of veterinary surgeons qualified since the school was opened is 37, of which number 21 are in the Department of Public Health, 7 entered the Sudan Government, 2 the Municipality of Alexandria, 1 the School of Agriculture, 1 the Domains Administration, 1 the Khedivial Agricultural Society, 3 are in private practice in Cairo, 1 qualified as doctor of medicine in America and is at present practising in Cairo.

The conduct of the students during the past year has been on the whole good.

VETERINARY-LEGAL CASES.

According to reports received, 501 examinations in veterinary-legal cases have been made. Of these, 216 were cases of poisoning, 149 cases of wounds and 136 accidents and common diseases.

At the chemical laboratory of the School of Medicine, 129 organs were analysed for poison, of which 103 were found positive and 26 negative.

CENSUS OF HORSES, MULES, AND DONKEYS.

During the year, the following figures were collected by the Mudiriâ authorities of horses, mares, mules, and donkeys in Egypt:—

TABLE LXXXI.

HORSES.		MULES.		DONKEYS.	
Male.	Mares.	Male.	Female.	Male.	Female.
25,301	22,126	9,742	11,158	300,022	391,003

GOVERNMENT ANIMALS.

The following tables show the number of animals acquired and cast by the Government during the year, and those remaining:—

TABLE LXXXIII.

LIST SHOWING ANIMALS CAST, ETC.

ANIMALS.	Police.			Municipal and Local Commissions.			Scavenging and Watering Service.			Public Health Department Stores.			Coastguard Administration.			Tanzim Department.			Prisons Department.			TOTAL.			Percentage of Wastage.			Total of Percentage of Wastage.
	Police.			Municipal and Local Commissions.			Scavenging and Watering Service.			Public Health Department Stores.			Coastguard Administration.			Tanzim Department.			Prisons Department.			TOTAL.			Percentage of Wastage.			
	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	Sold.	Died.	Destroyed.	
Horses...	19	25	44	1	1	1	—	—	—	—	—	—	2	2	3	—	—	—	1	—	—	23	28	48	1.6	0.2	3.5	7 %
Mules ...	1	—	—	5	5	15	2	5	10	—	—	1	—	—	—	3	1	10	1	—	—	12	11	36	0.8	0.7	2.4	4 %
Camels ...	8	8	3	—	—	—	—	—	—	—	—	—	31	30	13	—	—	—	—	—	—	39	38	16	6.1	0.6	2.5	14.7 %
Donkeys ...	—	—	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	2.4	2.4	—	4.8 %
Total ..	28	33	47	7	7	16	3	6	10	—	—	1	33	32	16	3	1	10	2	—	—	76	79	100	2.1	2.2	2.8	7.2 %

TABLE LXXXIV.

ESTABLISHMENT OF GOVERNMENT ANIMALS EXISTING ON DECEMBER 31, 1912.

SERVICE.	ANIMALS.									Total.
	Horses.	Mules.	Donkeys.	Camels.	Bulls.		Cows.	Buffaloes.	Buffalo calves.	
					Cyprus.	Beledi.				
Police	1,167	57	4	192	—	12	—	—	—	1,432
Municipal and Local Com- missions	19	626	36	—	—	—	—	—	—	681
Public Health Department.	23	521	22	—	60	372	4	4	6	1,012
Tanzim Department	10	233	5	—	—	—	—	—	—	248
Coastguard Administration	139	13	10	429	—	—	—	—	—	591
Prisons Department	8	20	4	—	—	—	52*	—	—	84
Grand Total	1,366	1,470	81	621	60	384	56	4	6	4,048

VETERINARY LABORATORIES SECTION.

Examination of slides and specimens received at the Laboratory during 1912 gave the following results :—

Acariasis :—

Horses	53
Mules	2

Anaplasmosis :—

Egyptian cattle	2
Sudanese bull	1

Anthrax :—

Syrian sheep... ..	4
Sudanese bull	1

Bilharzia :—

Egyptian cattle	2
Sudanese bulls	10

Coccidiosis :—

Egyptian cattle	2
Sudanese bulls	15
Rabbits	2

Contagious pleuro-pneumonia :—

Sudanese cattle	44
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Epizootic Lymphangitis :—

Horses and mules	17
Ass... ..	1

Filariasis :—

Camels	15
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Fowl Plague :—

Fowls	14
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Carried forward 185

* Cows and buffaloes.

Brought forward 185

Glanders :—

Horse 1

Haemorrhagic Septicaemia :—

Cattle 2

Buffalo 1

Leucocythaemia :—

Cattle 5

Camels 3

Malignant Goitre :—

Horse 1

Piroplasmosis :—

Egyptian cattle 25

Sudanese cattle 4

Egyptian sheep 2

Pseudo-tuberculosis (bacillary) :—

Egyptian sheep 2

Tuberculosis :—

Camels 14

Trypanosomiasis :—

Camels 10

Sudanese bull 1

Trypanosomiasis with Filariasis :—

Camel 1

Negative 129

TOTAL 386

An investigation was made into the nature of diseases affecting Sudanese cattle arriving in quarantine at Cairo Abattoir. The following diseases were observed :—

- (1) Coccidiosis (gastro-enteritis).
- (2) Piroplasmosis.
- (3) Bilharzia.
- (4) Leucocythaemia.
- (5) Cattle plague.
- (6) Contagious pleuro-pneumonia.
- (7) Trypanosomiasis.
- (8) Anthrax.
- (9) A nodular disease of the intestine due to invasion by *Oesophagostoma inflatum*.
(The latter has also been found in Egyptian cattle).

Some observations on trypanosomiasis in horses and camels and its treatment, also on tuberculosis in camels, extending to May 1912, have already been published in Paper No. 5, 1912, Department of Public Health.

No case of trypanosomiasis in equines has been recorded following the fly season of 1912, although search has been made.

Piroplasmata were found in blood films from two sheep in Gharbîa province sent by Mr. Aghion, of the Domains Administration, from animals which he suspected of malaria. These are believed to be the first cases of piroplasmosis recorded in sheep in Egypt.

Investigations into a number of outbreaks of disease in fowls attended by a high mortality show the principal cause to be fowl plague, a disease caused by an ultra-visible virus contained in the blood, not pathogenic for pigeons or rabbits, but readily inoculable into fowls.

All cases of tetanus which occurred during the year were treated by the injection of anti-tetanic serum followed by subcutaneous injection of magnesium sulphate (Dr. Paterson's method).

The total number of cases so treated was seven, of which four recovered.

PART V.

ENGINEERING SECTION.

Lunatic Asylum, Abbassia.—The two new sections for 100 patients, together with the buildings for new offices, commenced in 1911, were completed and taken over.

The construction of a matron's house was commenced.

The electrical installation was overhauled and a new and larger battery of accumulators provided to meet increased demands. A sum of L.E.1,027 was spent upon repairs and painting.

Alexandria Hospital.—In accordance with the programme for re-modelling the hospital, a commencement was made with the first of the two proposed pavilions to contain ninety beds.

Painting and colour-washing of the surgical pavilion, administrative block, and principal medical officer's residence was carried out, and the wooden floor of the verandah surrounding the old surgical pavilion was re-laid in concrete.

Infectious Hospital, Abbassia.—Certain modifications and repairs were completed, and a Sisters' residence and four new pavilions for European patients were built and taken over.

Ophthalmic Hospitals.—Mansûra Ophthalmic Hospital was completed, equipped, and taken over.

Abattoirs.—A considerable amount of work was carried out in the Cairo Abattoir, especially in connection with the roads, footpaths, and drains.

A new abattoir at Qûs was completed and opened.

Shellal.—The temporary wooden cattle shed for the reception of Sudan cattle has been replaced by permanent buildings.

Serum Institute, Abbassia.—An ice room for storing blood and a new cattle shed were erected, in addition to general repairs.

Scavenging and Watering Service.—A new stable for forty mules was erected at Matarîa.

Sanitary Installations.—Schemes of sanitary installation of nineteen Government buildings (Schools, Police Out-posts, Markazes, Post Offices, etc.) were designed.

Plans of the sanitary installations of the buildings indicated below were submitted to the Department of Public Health, and after examination and where necessary modification, were approved:—

Mosques	50
Private houses	6
"Etablissements insalubres"	66
Baths	2

Birkas.—A little over L.E. 188 was expended in filling the *birka* of Kafr Ammar.

Cemeteries.—The boundaries of 52 cemeteries have been surveyed and 419 boundary posts fixed.

PART VI.

LEGISLATION.

During 1912, two new legislative enactments were promulgated, one regarding prophylactic measures against infectious diseases, and the other regulating the registration of births and deaths.

The position of health legislation at the end of the year is shown by the tables given below. The laws and regulations are applicable to both natives and foreigners alike, with the exception of those marked with an asterisk, which are applicable to natives only.

TABLE LXXXV.

REGULATIONS APPLIED BY THE DEPARTMENT OF PUBLIC HEALTH.

SUBJECT.	NATURE OF AUTHORITY.
Inhumation and transport of bodies	Regulation approved by International Sanitary Council on September 15, 1876, March 26 and October 30, 1877.
“Vidange” of fosses	Arrêté of November 8, 1886, modified by Arrêtés of July 31, 1887 and June 10, 1910.
Practice of medicine and its branches	Arrêté of June 13, 1891.
Vaccination	Decree of December 17, 1891.
Enclosure of waste lands	Ministerial Arrêté of June 15, 1893 (extended to certain towns by Arrêté of Mndirs and Governors).
Transfer of cemeteries in provinces	* Decree of January 29, 1894.
Prophylactic measures: institution of Sanitary Commissions	Arrêté of May 11, 1895. Under this Arrêté Mndirs and Governors are empowered to issue Arrêtés for local outbreaks of infectious diseases and for protection of water supply.
Construction of pillars, etc., in cemeteries	* Decree of March 12, 1898.
Special measures for plague and cholera	Decree of May 27, 1899, modified by Decree of February 18, 1911.
Excavations	Decree of April 26, 1900.
Pharmacy and sale of poisons... ..	Decree of September 15, 1904.
Assistant Pharmacists... ..	Decree of November 20, 1904.
Transport of rags in time of epidemics... ..	Decree of March 10, 1906.
Control of pilgrims on their return	* Arrêté of December 22, 1910.
Control of passengers coming from infected countries	Arrêté of January 21, 1911.
Sanitation of mosques and latrines accessible to the public	Decree of July 1, 1911.
Prophylactic measures against infectious diseases...	Decree of June 12, 1912.
Registration of births and deaths	Decree of August 11, 1912.

TABLE LXXXVI.

REGULATIONS APPLIED BY BOTH THE DEPARTMENT OF PUBLIC HEALTH AND THE POLICE AUTHORITIES.

SUBJECT.	NATURE OF AUTHORITY.
Abattoirs Regulations... ..	Arrêté of November 23, 1893 (subsequent Arrêté on the subject.)
Epizootic outbreaks and measures to be taken ...	} * Decree of June 27, 1903.
Aggravation of penalties in case of contravention ...	
“ Etablissements insalubres ”	Decree of August 28, 1904 ; Regulation of August 29, 1904.
Rabies, muzzling of dogs, etc.	Decree of June 24, 1905.
Prostitution	Arrêté of June 27, 1906.
Cairo Markets	Arrêté of March 7, 1911.

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